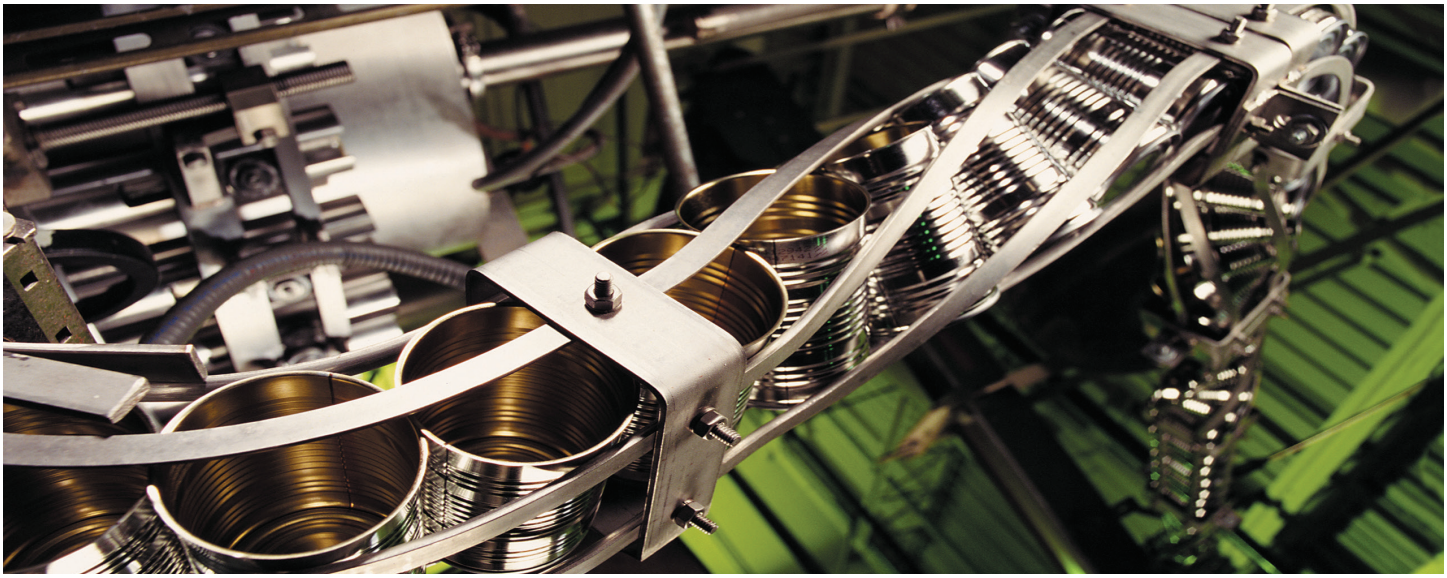
TDK-Lambda Industrial Products

Edition 1A

Company Overview

TDK-Lambda is the #1 world-wide manufacturer of industrial power supply solutions. We offer a broad product line with over 6,000 models to choose from. Backed by industry-leading warranties. Reliability you can count on.



Product Offering & Attributes

- Wide range of products
- Standard and modified power solutions
- AC-DC power supplies + line filters + DC-DC converters
- AC-DC programmable power supplies
- AC-DC High Voltage programmable power supplies
- AC-DC High Voltage capacitor charging power supplies
- Products available for Harsh & Hazardous locations
- Industrial approvals as standard
- Long-life products
- Low cost of ownership
- Many Convection, Conduction & Forced Air Cooled Products

Organization

- Founded in 1945; offering long term financial stability
- Worldwide recognition as a leader in high quality
- Outstanding customer support
- International organization with local presence & support
- Local design capability
- Experts in industrial power supply solutions
- Preferred supplier for Tier 1 industrial companies
- Local inventory / local buffer

Industrial Sub-Segments

Factory Automation

- Automotive Equipment
- Food, & Beverage Equipment
- Material Handling Equipment
- Power Generation Equipment
- Metals & Mining Equipment
- Chemical Equipment
- Oil & Gas Equipment
- Packaging Machinery
- Machine Tools
- Infrastructure

Material Handling

- Conveyors
- Industrial Trucks
- Positioning Equipment
- Electric Track Vehicle Systems
- Automated Guided Vehicles (AGVs)
- Forklifts
- Cranes
- Industrial Robotics
- Storage Equipment

Agriculture

- Tractors and Heavy Equipment
- Cultivation Equipment
- Planting Equipment
- Fertilizer and Pest Control Equipment
- Irrigation Systems & Equipment
- Produce Sorting Equipment
- Harvesting/Post-harvesting Equipment
- LED Lighting for Agriculture

Robotics

- Machining
- Welding
- Painting
- Assembly
- Controllers
- Process Control

AC/DC

Product Series	Description	Output Power (W)	Outputs	Output Voltages (VDC)	Dimensions (Inches)	Protection Class	Cooling
KAS2	Enclosed PCB Mount	2	1	3.3, 5, 8, 9, 12, 14, 15, 24	1.12 x 1.02 x 0.67	Class II	Convection
KAS4	Enclosed PCB Mount	4	1	3.3, 5, 8, 9, 12, 14, 15, 24	1.46 x 1.08 x 0.69	Class II	Convection
KPSA5	Enclosed PCB Mount	4.1 - 5.5	1	3.3, 5, 12, 15, 24	1.25 x 2.17 x 0.83	Class II	Convection or Forced air
KPSA10	Enclosed PCB Mount	8.3 - 10.1	1	3.3, 5, 12, 15, 24	1.55 x 2.40 x 0.9	Class II	Convection or Forced air
KPSA15	Enclosed PCB Mount	9.9 - 15.1	1	3.3, 5, 12, 15, 24	1.77 x 2.75 x 0.79	Class II	Convection or Forced air
KWSA5	Enclosed PCB Mount	5 - 5.4	1	5, 12, 15, 24	1.5 x 1.0 x 0.85	Class II	Convection
KWSA10	Enclosed PCB Mount	10 - 12	1	5, 12, 15, 24	1.5 x 1.0 x 0.85	Class II	Convection
KWSA15	Enclosed PCB Mount	15 - 16.8	1	5, 12, 15, 24	2.0 x 1.0 x 0.94	Class II	Convection
KWSA25	Enclosed PCB Mount	25 - 26.4	1	5, 12, 15, 24	2.5 x 1.0 x 1.14	Class II	Convection
ZWS10B	Open - frame	6.6 - 12	1	3.3, 5, 12, 15, 24	1.97 x 0.87 x 2.89	Class I	Convection / Forced air
ZWS15B	Open - frame	9.9 - 16.8	1	3.3, 5, 12, 15, 24	1.97 x 0.87 x 3.44	Class I	Convection / Forced air
ZWS30B	Open - frame	19.8 - 31.2	1	3.3, 5, 12, 15, 24	1.97 x 1.04 x 4.13	Class I	Convection / Forced air
KMS15	Enclosed PCB Mount	9.9 - 15	1	3.3, 5, 9, 12, 15, 24	2.52 x 1.79 x 0.92	Class II	Convection
KMD15	Enclosed PCB Mount	15	2	(±5); (±12); (±15)	2.52 x 1.79 x 0.92	Class II	Convection
KMT15	Enclosed PCB Mount	15	3	(5, ±12); (5, ±15)	2.52 x 1.79 x 0.92	Class II	Convection
KMS40	Enclosed PCB Mount	26.4 - 40	1	3.3, 5, 9, 12, 15, 24	3.5 x 2.5 x 1.06	Class II	Convection
KMD40	Enclosed PCB Mount	40	2	(±5); (±12); (±15); (5,12); (5,24)	3.5 x 2.5 x 1.06	Class II	Convection
KMT40	Enclosed PCB Mount	40	3	(5, ±12); (5, ±15)	3.5 x 2.5 x 1.06	Class II	Convection
KMS15A	Enclosed PCB Mount	15	1	5, 9, 12, 15, 24	2.07 x 1.08 x 0.93	Class II	Convection
KMS30A	Enclosed PCB Mount	25 - 30	1	5, 12, 15, 24	2.52 x 1.77 x 0.93	Class II	Convection
KMS60A	Enclosed PCB Mount	51 - 60	1	5.1, 9, 12, 15, 24	3.5 x 2.5 x 1.06	Class II	Convection
HWS15A	Enclosed	10 - 15	1	3.3, 5 , 12, 15, 24, 48	1.24 x 3.23 x 3.15	Class I	Convection
HWS30A	Enclosed	30	1	3.3, 5 , 12, 15, 24, 48	1.24 x 3.23 x 3.74	Class I	Convection
HWS50A	Enclosed	50	1	3.3, 5 , 12, 15, 24, 48	1.24 x 3.23 x 4.72	Class I	Convection
HWS100A	Enclosed	100	1	3.3, 5 , 12, 15, 24, 48	1.3 x 3.23 x 6.3	Class I	Convection
HWS150A	Enclosed	150	1	3.3, 5 , 12, 15, 24, 48	1.65 x 3.23 x 6.3	Class I	Convection
ZPSA20	Open - frame	14.5 - 22	1	3.3, 5, 9, 12, 15, 24	2 x 3.5 x 0.79	Class I	Convection
ZPSA40	Open - frame	20 - 40	1	3.3, 5, 9, 12, 15, 24, 28, 30, 36, 48	2 x 4 x 1.07	Class I	Convection
ZPSA60	Open - frame	26.4 - 60	1	3.3, 5, 9, 12, 15, 24, 28, 30, 36, 48	2 x 4 x 1.07	Class I	Convection
ZPSA100	Open - frame	100	1	5, 9, 12, 15, 18, 24, 48	3 x 5 x 1.05	Class I	Convection
LS25	Enclosed	19.8 - 25	1	3.3, 5, 12, 15, 24, 36, 48	3.1 x 2.0 x 1.1	Class I	Convection
LS35	Enclosed	35	1	3.3, 5, 12, 15, 24, 36, 48	3.9 x 3.2 x 1.4	Class I	Convection
LS50	Enclosed	50	1	3.3, 5, 12, 15, 24, 36, 48	3.9 x 3.8 x 1.4	Class I	Convection
LS75	Enclosed	75	1	3.3, 5, 12, 15, 24, 36, 48	5.1 x 3.8 x 1.5	Class I	Convection
LS100	Enclosed	100	1	3.3, 5, 12, 15, 24, 36, 48	6.3 x 3.8 x 1.5	Class I	Convection
LS150	Enclosed	150	1	3.3, 5, 12, 15, 24, 36, 48	7.8 x 3.9 x 1.5	Class I	Convection
LS200	Enclosed	132 - 201.6	1	3.3, 5, 7.5, 12, 15, 24, 36, 48	7.8 x 3.9 x 1.61	Class I	Convection or Forced air
HWS30A/HD	U - Channel	20 - 31.2	1	3.3, 5, 12, 15, 24, 48	1.04 x 3.23 x 3.74	Class I	Convection
HWS50A/HD	U - Channel	33 - 52.8	1	3.3, 5, 12, 15, 24, 48	1.04 x 3.23 x 4.72	Class I	Convection
HWS100A/HD	U - Channel	66 - 108	1	3.3, 5, 12, 15, 24, 48	1.1 x 3.23 x 6.3	Class I	Convection
HWS150A/HD	U - Channel	99 - 158.4	1	3.3, 5, 12, 15, 24, 48	1.46 x 3.23 x 6.3	Class I	Convection
CUS30M	Open - frame	30 - 30.6	1	12, 15, 18, 24, 36, 48	3 x 2 x 0.95	Class I / Class II	Convection
CUS60M	Open - frame	60 - 60.48	1	5, 12, 15, 18, 24, 36, 48	3 x 2 x 1.05	Class I / Class II	Convection
CUS100ME	Open - frame	100	1	12, 15, 18, 24, 28, 36, 48	2 x 4 x 1.24	Class I / Class II	Conv., Cond., Forced air
CUS150M	Open - frame	120 - 150	1	12, 15, 18, 24, 28, 36, 48	2 x 4 x 1.24	Class I / Class II	Convection
CUS150M/U	U - Channel	120 - 150	1	12, 15, 18, 24, 28, 36, 48	2.52 x 4.57 x 1.52	Class I / Class II	Convection
CUS150M/A	U - Channel with cover	120 - 150	1	12, 15, 18, 24, 28, 36, 48	2.52 x 4.57 x 1.56	Class I / Class II	Convection
CUS150M/F	U - Channel with cover & top fan	120 - 150	1	12, 15, 18, 24, 28, 36, 48	2.52 x 4.57 x 2.00	Class I / Class II	Forced air
CUS400M	Open - frame, Enclosed	400	1	12, 15, 19, 24, 28, 36, 48	3 x 5 x 1.53	Class I / Class II	Conv., Cond., Forced air
CUS600M	Open - frame, Enclosed	600	1	12, 19, 24, 28, 32, 36, 48	3 x 5 x 1.5	Class I / Class II	Convection, Forced air
CUS1500M	Enclosed	1500	1	12, 15, 24, 36, 48	5 x 2.48 x 10.28	Class I	Forced air
CUT35	Open frame	26.1 - 35	2 - 3	(5, ±12); (5,24); (5, ±15); (5,30)	2 x 4 x 1.06	Class I	Convection
CUT35/A	Open - frame with cover	26.1 - 35	2 - 3	(5, ±12); (5,24); (5, ±15); (5,30)	2.48 x 4.92 x 1.42	Class I	Convection
CUT35/B	Open - frame with baseplate	26.1 - 35	2 - 3	(5, ±12); (5,24); (5, ±15); (5,30)	2.22 x 4.8 x 1.1	Class I	Convection
CUT75	Open - frame	64 - 75	2 - 3	(5, ±12); (5,24); (5, ±15); (5,30)	3 x 5 x 0.94	Class I	Convection
CUT75/A	Open - frame with cover	64 - 75	2 - 3	(5, ±12); (5,24); (5, ±15); (5,30)	3.22 x 5.12 x 1.5	Class I	Convection
CUT75/B	Open - frame with baseplate	64 - 75	2 - 3	(5, ±12); (5,24); (5, ±15); (5,30)	2.99 x 5.79 x 1.46	Class I	Convection
ZWS50BAF	Open - frame	33 - 52.8	1	3.3, 5, 12, 15, 24, 48	1.97 x 1.02 x 5.2	Class I	Convection
ZWS75BAF	Open - frame	49.5 - 76.8	1	3.3, 5, 12, 15, 24, 48	1.97 x 1.3 x 5.9	Class I	Convection
ZWS100BAF	Open - frame	66 - 103.2	1	3.3, 5, 12, 15, 24, 48	2.44 x 1.3 x 6.1	Class I	Convection
ZWS150BAF	Open - frame	99 - 153.6	1	3.3, 5, 12, 15, 24, 48	2.95 x 1.46 x 6.3	Class I	Convection
ZWS240RC	Open - frame	240	1	24	3.3 x 1.65 x 7	Class I	Convection
ZWS300BAF	Open - frame	300	1	12, 15, 24, 36, 48	3.31 x 1.65 x 7.09	Class I	Convection / Forced air
CSS65A	Open - frame	40 - 65	1	5, 12, 15, 19, 24, 28, 48, 54	2 x 4 x 1.08	Class II	Convection
CSW65	U - Channel	40 - 65	1	5, 12, 15, 18, 24, 28, 48, 54	2.5 x 4.75 x 1.5	Class I	Convection
CSW65/A	U - Channel with cover	40 - 65	1	5, 12, 15, 18, 24, 28, 48, 54	2.5 x 4.75 x 1.5	Class I	Convection
CSW65/D	U - Channel, cover & DIN rail bracket	40 - 65	1	5, 12, 15, 18, 24, 28, 48, 54	2.5 x 4.75 x 1.85	Class I	Convection
RWS50B	Enclosed	50 - 52.8	1	5, 12, 24, 48	3.23 x 1.34 x 3.2	Class I	Convection
RWS100B	Enclosed	70 - 108	1	5, 12, 15, 24, 48	3.7 x 1.54 x 4.25	Class I	Convection
RWS150B	Enclosed	105 - 158.4	1	5, 12, 15, 24, 48	3.7 x 1.61 x 5.04	Class I	Convection
RWS300B	Enclosed	250 - 302.4	1	5, 12, 15, 24, 36, 48	4.02 x 1.61 x 6.7	Class I	Forced air

AC/DC

Product Series	Description	Output Power (W)	Outputs	Output Voltages (VDC)	Dimensions (Inches)	Protection Class	Cooling
RWS600B	Enclosed	500 - 601.2	1	5, 12, 15, 24, 36, 48	4.72 x 2.4 x 7.48	Class I	Forced air
RWS1000B	Enclosed	1005 - 1008	1	12, 15, 24, 36, 48	5 x 2.48 x 7.8	Class I	Forced air
RWS1500B	Enclosed	1500 - 1536	1	12, 15, 24, 36, 48	5 x 2.48 x 10.28	Class I	Forced air
SCS120PW	Open - frame	120	1	12, 15, 18, 19, 24, 30, 32, 36, 48	3 x 5 x 1.27	Class I	Convection
CSS150	Open - frame	150	1	12, 15, 24, 36, 48	3 x 5 x 1.3	Class II	Convection / Forced air
CSS280	Open - frame	280	1	12, 24, 28, 48, 54	3 x 5 x 1.18	Class I	Convection / Forced air
CSS500	U - Channel	360 - 500	1	12, 24, 30, 36, 48, 54, 57	8 x 4.7 x 1.51	Class I	Convection / Forced air
CSS500/S	Enclosed - End fan	360 - 500	1	12, 24, 30, 36, 48, 54, 57	9 x 4.7 x 1.63	Class I	Convection / Forced air
CSS500/T	Enclosed - Top fan	360 - 500	1	12, 24, 30, 36, 48, 54, 57	8 x 4.7 x 2.85	Class I	Convection / Forced air
CUS200LD	Enclosed	79.2 - 153.6	1	3.3, 4.2, 5, 7.5, 12, 15, 24, 28, 48	6.3 x 2.36 x 1.22	Class I	Convection / Conduction
CUS250LD	U - Channel	165 - 252	1	3.3, 4.2, 5, 12, 24	7.8 x 4 x 1.18	Class I	Convection
CUS250LD/A	Enclosed	165 - 252	1	3.3, 4.2, 5, 12, 24	7.8 x 4 x 1.34	Class I	Convection
NV175	Open - Frame (configurable)	175 - 200	1 -5	1.8, 2.7, ±3.3, ±5, ±12, ±15, ± 24	3 x 5 x 1.25	Class I	Forced air
NV350	Enclosed - End fan (configurable)	350 - 660	1 - 6	3.3 - 64	10.8 x 3.75 x 1.6	Class I	Forced air
HWS300	Enclosed	198 - 336	1	3.3, 5, 12, 15, 24, 48	2.4 x 3.23 x 6.5	Class I	Forced air
HWS600	Enclosed	396 - 648	1	3.3, 5, 12, 15, 24, 48	3.94 x 3.23 x 6.5	Class I	Forced air
HWS1000	Enclosed	660 - 1056	1	3.3, 5, 6, 7.5, 12, 15, 24, 36, 48, 60	5 x 3.25 x 9.45	Class I	Forced air
HWS1500	Enclosed	990 - 1536	1	3.3, 5, 6, 7.5, 12, 15, 24, 36, 48, 60	5 x 3.25 x 11	Class I	Forced air
HWS300/HD	Enclosed	198 - 336	1	3.3, 5, 12, 15, 24, 48	2.4 x 3.23 x 6.5	Class I	Forced air
HWS600/HD	Enclosed	396 - 648	1	3.3, 5, 12, 15, 24, 48	3.94 x 3.23 x 6.5	Class I	Forced air
HWS1000/HD	Enclosed	660 - 1104	1	3.3, 5, 12, 15, 24, 36, 48	5 x 3.2 x 9.5	Class I	Forced air
HWS1500/HD	Enclosed	990 - 1536	1	3.3, 5, 12, 15, 24, 36, 48	5 x 3.25 x 11	Class I	Forced air
HWS1800T	Enclosed	990 - 1800	1	3.3, 5, 6, 7.5, 12, 15, 24, 36, 48, 60	4.98 x 3.23 x 11	Class I	Forced air
CUS200M	Open - frame	200 - 254	1	12, 18, 24, 36, 48	5 x 3 x 1.34	Class I	Convection, Forced air
CUS350M	U - Channel	350 - 420	1	12, 18, 24, 36, 48	7.5 x 3.4 x 1.6	Class I	Convection / Forced air
Z+	Enclosed End Fan (Std body)	200 - 800	1	0-650	3.27 x 2.76 x 13.78	Class I	Forced air
Z+	Enclosed End Fan (Wide body)	200 - 800	1	0-650	3.27 x 4.13 x 13.78	Class I	Forced air
GWS250	Enclosed	250	1	12, 24, 36, 48	7.8 x 4.1 x 1.61	Class I	Convection
GWS500	Enclosed	500	1	12, 24, 36, 48	8.6 x 4.1 x 1.61	Class I	Forced air
GXE600	U - Channel, Enclosed	600	1	24, 48	5 x 1.61 x 10	Class I	Convection
CFE400M	U - Channel	300 - 400	1	12,24,48	7 x 3.94 x 1.6	Class I	Convection / Forced air
EFE300	Open - frame	300 (**400)	1	12, 24	3 x 5 x 1.34	Class I	Forced air
EFE400	Open - frame	400 (**530)	1	12, 24	3 x 6 x 1.34	Class I	Forced air
EFE300M	Open - frame	300 (**400)	1	12, 24, 48	3 x 6 x 1.34	Class I	Forced air
EFE400M	Open - frame	400 (**530)	1	12, 24, 48	3 x 6.5 x 134	Class I	Forced air
CM4	Open - frame (configurable)	425 - 600W	4	1.5 - 232	4 x 7 x 1.61	Class I	Conv., Cond., Forced air
PFE300SA	PCB Mount	300 - 302	1	12, 28, 48	2.4 x 0.5 x 4.6	Class I	Conduction
PFE500SA	PCB Mount	396 - 504	1	12, 28, 48	2.4 x 0.5 x 4.6	Class I	Conduction
PFE500F	PCB Mount	504	1	12, 28, 48	2.76 x 0.5 x 4.8	Class I	Conduction
PFE700SA	PCB Mount	714	1	48	2.4 x 0.5 x 4.6	Class I	Conduction
PFE1000FA	PCB Mount	720 - 1008	1	12, 28, 48	3.94 x 0.53 x 6.3	Class I	Conduction
PFH500F	PCB Mount	504	1	12, 28, 48	4 x 2.4 x 0.53	Class I	Conduction
SWS600L	Enclosed - End fan	396 - 648	1	3.3, 5, 12, 15, 24, 36, 48, 60	2.4 x 4.72 x 7.48	Class I	Forced air
SWS1000L	Enclosed - End fan	660 - 1224	1	3.3, 5, 12, 15, 24, 36, 48, 60	9.45 x 5.91 x 2.4	Class I	Forced air
Vega	Enclosed - End fan (configurable)	450 - 900	1 - 10	0.5 - 62	10.6 x 5 x 2.5	Class I	Forced air
Vega-Lite	Enclosed - End fan (configurable)	550 - 900	1 - 10	1.8 - 56	10.6 x 5 x 2.5	Class I	Forced air
XMS500	Open - frame , U - Channel	500	1	12, 24, 36, 48	4 x 7.1 x 1.46	Class I / Class II	Convection, Forced air
NV700	Enclosed - End fan (configurable)	700 - 1150	1 - 8	3.2 - 64	10.8 x5 x 2.5	Class I	Forced air
CPFE1000F	Enclosed	720 - 1008	1	12, 28, 48	10.63 x 7.48 x 2.40	Class I	Conduction
CPFE1000Fi	Enclosed	720 - 1008	1	12, 28, 48	10 x 4.41 x 1.73	Class I	Conduction
LZSA500	Enclosed	504	1	24	4.25 x 4.75 x 10.25	Class I	Forced air
LZSA1000	Enclosed	1008	1	12, 24	5.62 x 4.75 x 10.5	Class I	Forced air
LZSA1500	Enclosed	1512	1	24, 48	5.62 x 4.75 x 10.5	Class I	Forced air
QM4	Enclosed - End fan (configurable)	550 - 650	1 - 10	2.8 - 105.6	4.3 x 2.5 x 10.6	Class I	Forced Air
QM5	Enclosed - End fan (configurable)	700 - 800	1 - 12	2.8 - 105.6	5.0 x 2.5 x 10.6	Class I	Forced air
QM5H	Enclosed - End fan (configurable)	700 - 1200	1 - 12	2.8 - 105.6	5.0 x 2.5 x 10.6	Class I	Forced air
QM7	Enclosed - End fan (configurable)	1200 - 1500	1 - 16	2.8 - 105.6	6.9 x 2.5 x 10.6	Class I	Forced air
QM8	Enclosed - End fan (configurable)	1200 - 1500	1 - 18	2.8 - 105.6	7.9 x 2.5 x 10.6	Class I	Forced Air
QM8B	Enclosed - End fan (configurable)	1200 - 2000	1 - 18	2.8 - 105.6	7.9 x 2.5 x 10.6	Class I	Forced Air
QS4	Enclosed - End fan	550 - 600	1	12, 24, 48	5 x 2.5 x 10.6	Class I	Forced Air
QS5	Enclosed - End fan	600	1	12, 24, 48	5 x 2.5 x 10.6	Class I	Forced Air
QS5H	Enclosed - End fan	700 - 1200	1	12, 24, 48	5 x 2.5 x 10.6	Class I	Forced Air
QS7	Enclosed - End fan	1080 -1200	1	12, 24, 48	6.9 x 2.5 x 10.6	Class I	Forced Air
Alpha 1000	Enclosed - End fan (configurable)	1000	1 - 14	1.8 - 48	7 x 2.5 x 11	Class I	Forced air
RFE1600	Enclosed	1200 - 1608	1	12, 24, 32, 48	3.5 x 1.61 x 12.6	Class I	Forced air
RFE2500	Enclosed	1500 - 2496	1	12, 24, 48	4.21 x 1.61 x 13.6	Class I	Forced air
HFE1600	Enclosed	1600 (*7600)	1	12, 24, 32, 48	3.35 x 1.61 x 11.8	Class 1	Forced air
HFE2500	Enclosed	2500 (*9500)	1	12, 24, 48	4.21 x 1.61 x 12.8	Class 1	Forced air
TPS3000	Enclosed - End fan	3000 - 3200	1	24, 48	4.21 x 3.32 x 12.76	Class I	Forced air
TPS4000	Enclosed	2000 - 4000	1	12, 24, 48	4.21 x 3.32 x 13.19	Class I	Forced Air
TPF4500	Enclosed	4500 - 45,000	1-10	385	17.72 x 19.06 x 4.53	Class I	Forced Air

** Maximum wattage in 19 in. full rack ** Peak output power*

External / Desktop Power Supplies

Product Series	Description	Output Power (W)	Outputs	Output Voltages (VDC)	Dimensions (Inches)	Protection Class	Cooling
DT62/80D	External adapter	40 - 80	1	5 to 48	2.72 x 5.2 x 1.57	Class I	Convection
DT100/150D	External adapter	100 - 150	1	12 to 48	3.35 x 6.7 x 1.73	Class I	Convection
DTM110-C	External Adapter	90 - 110	1	12, 13.5 , 15, 19, 20, 24	2.55 x 6.7 x 1.51	Class I	Convection
DTM110-C8	External Adapter	105 - 110	1	12, 15, 19, 24, 28, 36, 48	2.48 x 5.5 x 1.29	Class II	Convection
DTM250-D	External Adapter	250	1	12, 19, 24, 28, 36, 48, 54	3.54 x 7.87 x 1.77	Class I	Convection
DTM300-D	External adapter	300	1	12 to 54	4.4 x 8.75 x 1.77	Class I / Class II	Convection

AC-DC DIN Rail Power Supplies

Product Series	Description	Output Power (W)	Outputs	Output Voltages (VDC)	Dimensions (Inches)	Input	Cooling
DPP15	Din Rail	15	1	24	0.9 x 2.95 x 3.81	85 - 264 VAC, 1Ø	Convection
DPP25	Din Rail	25	1	5	1.77 x 2.95 x 3.58	85 - 264 VAC, 1Ø	Convection
DPP30	Din Rail	30	1	12, 24	1.77 x 2.95 x 3.58	85 - 264 VAC, 1Ø	Convection
DPP50	Din Rail	50	1	15, 24, 48	1.77 x 2.95 x 3.58	85 - 264 VAC, 1Ø	Convection
DPP100	Din Rail	100	1	24	2.86 x 2.95 x 3.81	85 - 264 VAC, 1Ø	Convection
DPP120	Din Rail	120	1	12, 24	2.92 x 4.88 x 4.68	340 - 575 VAC 3Ø	Convection
DPP240	Din Rail	240	1	24, 48	3.5 x 4.88 x 4.68	340 - 575 VAC 3Ø	Convection
DPP480	Din Rail	480	1	24, 48	5.91 x 4.88 x 4.68	340 - 575 VAC 3Ø	Convection
DPP960	Din Rail	960	1	24, 48	10.86 x 4.97 x 4.68	340 - 575 VAC 3Ø	Convection
DSP10	Din Rail	7.5 - 10.1	1	5, 12, 15, 24	0.71 x 3.58 x 2.19	90-264 VAC 1Ø	Convection
DSP30	Din Rail	15 - 31.2	1	5, 12, 15, 24	2.09 x 3.58 x 2.19	90-264 VAC 1Ø	Convection
DSP60	Din Rail	35 - 60	1	5, 12, 15, 24	2.8 x 3.58 x 2.19	90-264 VAC 1Ø	Convection
DSP100	Din Rail	91.2 - 100.8	1	24	3.54 x 3.58 x 2.24	90-264 VAC 1Ø	Convection
DRB120	Din Rail	120	1	24 - 28	1.37 x 4.88 x 4.92	85 - 264 VAC 1Ø	Convection
DRB240	Din Rail	240	1	24 - 28	1.61 x 4.88 x 4.92	85 - 264 VAC 1Ø	Convection
DRB15	Din Rail	15.1	1	24 - 28	0.71 x 2.95 x 3.54	85-264 VAC 1Ø	Convection
DRB30	Din Rail	30	1	12-15	0.83 x 2.95 x 3.54	85-264 VAC 1Ø	Convection
DRB50	Din Rail	50.4 - 51	1	12, 24, 48	1.18 x 2.95 x 3.54	85-264 VAC 1Ø	Convection
DRB100	Din Rail	100.8	1	24	1.77 x 2.95 x 3.94	85-264 VAC 1Ø	Convection
DRB480	Din Rail	480	1	24 - 52.8	3.3 x 4.92 x 4.88	90-264 VAC 1Ø	Convection
DRF960	Din Rail	960	1	24 - 28	1.61 x 4.88 x 4.94	87 - 264 VAC 1Ø	Convection
DRF120	Din Rail	120	1	24	1.44 x 4.86 x 4.53	85-264 VAC 1Ø	Convection
DRF240	Din Rail	240	1	24	1.93 x 4.86 x 4.53	85-264 VAC 1Ø	Convection
DRF480	Din Rail	480	1	24, 48	3.23 x 4.86 x 4.53	85-264 VAC 1Ø	Convection
DRL10	Din Rail	10 - 10.08	1	12, 24	0.71 x 3.58 x 2.19	85-264 VAC 1Ø	Convection
DRL30	Din Rail	25.2 - 30	1	12, 24	1.42 x 3.58 x 2.19	85-264 VAC 1Ø	Convection
DRL60	Din Rail	54 - 60	1	12, 24	2.13 x 3.58 x 2.19	85-264 VAC 1Ø	Convection
DRL100	Din Rail	100.8	1	24	2.83 x 3.58 x 2.19	85-264 VAC 1Ø	Convection
DRM (redundancy module)	Din Rail	2 x 20A max	1	10 - 30 VDC	1.18 x 4.91 x 4.87	10 - 30 VDC	Convection

Programmable Power Supplies

Product Series	Description	Output Power (W)	Outputs	Output Voltages (VDC)	Dimensions (Inches)	Protection Class	Cooling
Z+	Enclosed End Fan (Std body)	200 - 800	1	0 - 650	3.27 x 2.76 x 13.78	Class I	Forced Air
Z+	Enclosed End Fan (Wide body)	200 - 800	1	0 - 650	3.27 x 4.13 x 13.78	Class I	Forced Air
Genesys™ (GENH Half-Rack 750W)	Enclosed End Fan (1U Half-Rack)	600 -780	1	6 - 600	8.43 x 1.72 x 17.22	Class I	Forced Air
Genesys™ (GEN-1U 750W)	Enclosed End Fan (1U Full-Rack)	600 - 780	1	6 - 600	16.65 x 1.72 x 17.04	Class I	Forced Air
Genesys™ (GEN-1U 1500W)	Enclosed End Fan (1U Full-Rack)	1,200 - 1,560	1	6 - 600	16.65 x 1.72 x 17.04	Class I	Forced Air
Genesys™ (GEN-1U 2.4kW)	Enclosed End Fan (1U Full-Rack)	2,400	1	8 - 600	16.65 x 1.72 x 17.35	Class I	Forced Air
Genesys™ (GEN-2U 3.3kW)	Enclosed End Fan (2U Full-Rack)	3,200 - 3,400	1	8 - 600	16.65 x 3.46 x 17.42	Class I	Forced Air
Genesys™ (GEN-2U 5kW)	Enclosed End Fan (2U Full-Rack)	4,800 - 5,200	1	8 - 600	16.65 x 3.46 x 17.42	Class I	Forced Air
Genesys™ (GEN-3U 10kW)	Enclosed End Fan (3U Full-Rack)	7,500 - 10,200	1	7.5 - 1,500	16.90 x 5.22 x 22.20	Class I	Forced Air
Genesys™ (GEN-3U 15kW)	Enclosed End Fan (3U Full-Rack)	15,000 - 15,040	1	25 - 1,500	16.90 x 5.22 x 22.20	Class I	Forced Air
GENESYS™ (1U Half-Rack 1kW)	Enclosed End Fan (1U Half-Rack)	1000 - 1050	1	10-600	8.43 x 1.72 x 17.60	Class I	Forced Air
GENESYS™ (1U Half-Rack 1.5kW)	Enclosed End Fan (1U Half-Rack)	1500 - 1560	1	10-600	8.43 x 1.72 x 17.60	Class I	Forced Air
GENESYS™ (1U 1kW)	Enclosed End Fan (1U Full-Rack)	1000 - 1050	1	10-600	16.65 x 1.72 x 17.38	Class I	Forced Air
GENESYS™ (1U 1.7kW)	Enclosed End Fan (1U Full-Rack)	1680 - 1700	1	10-600	16.65 x 1.72 x 17.38	Class I	Forced Air
GENESYS™ (1U 2.7kW)	Enclosed End Fan (1U Full-Rack)	2650 -2720	1	10-600	16.65 x 1.72 x 17.38	Class I	Forced Air
GENESYS™ (1U 3.4kW)	Enclosed End Fan (1U Full-Rack)	3360 - 3450	1	10-600	16.65 x 1.72 x 17.38	Class I	Forced Air
GENESYS™ (1U 5kW)	Enclosed End Fan (1U Full-Rack)	5000 - 5200	1	10-600	16.65 x 1.72 x 17.38	Class I	Forced Air
GENESYS™ (2U 10kW)	Enclosed End Fan (2U Full-Rack)	10,000 - 10,400	1	10-600	16.65 x 3.46 x 17.38	Class I	Forced Air
GENESYS™ (3U 15kW)	Enclosed End Fan (3U Full-Rack)	15000 - 15,600	1	10-600	16.65 x 5.22 x 17.38	Class I	Forced Air

High Voltage Capacitor Charging

Product Series	Description	Output Power (W)	Outputs	Output Voltages (kVDC)	Dimensions (Inches)	Protection Class	Cooling
500A	Enclosed End Fan	500	1	1, 1.5, 2, 3, 4, 5, 6, 10, 15, 20, 30, 40	5.75 x 5.56 x 14.2	Class I	Forced Air
102A	Enclosed End Fan	1,000	1	1, 1.5, 2, 3, 4, 5, 6, 10, 15, 20, 30, 40	5.75 x 5.56 x 14.2	Class I	Forced Air
152A	Enclosed End Fan	1,500	1	1, 1.5, 2, 3, 4, 5, 6, 10, 15, 20, 30, 40	5.75 x 5.56 x 14.2	Class I	Forced Air
202A	Enclosed End Fan	2,000	1	1, 1.5, 2, 3, 4, 5, 6, 10, 15, 20, 30, 40	5.75 x 5.56 x 14.8	Class I	Forced Air
402	Enclosed End Fan (4U Full-Rack)	4,000	1	1, 2, 4, 5, 10, 15, 20, 30, 40, 50	19 x 7 x 17	Class I	Forced Air
802	Enclosed End Fan (5U Full-Rack)	8,000	1	1, 2, 4, 5, 10, 15, 20, 30, 40, 50	19 x 8.72 x 17	Class I	Forced Air
LC1202	Enclosed End Fan (5U Full-Rack)	15,000	1	1, 2, 4, 5, 10, 15, 20, 30	19 x 8.72 x 17	Class I	Liquid Cooled
203	Enclosed End Fan (7U Full-Rack)	30,000	1	1, 2, 4, 5, 10, 15, 20, 30, 40, 50	19 x 12.25 x 22.5	Class I	Liquid & Forced Air Cooled
303	Enclosed End Fan (7U Full-Rack)	50,000	1	1, 2, 4, 5, 10, 15, 20, 30, 40, 50	19 x 12.25 x 22.5	Class I	Liquid & Forced Air Cooled

DC-DC DIN Rail Power Supplies

Series	Description	Output Power (W)	Outputs	Output Voltages (VDC)	Dimensions (Inches)	Input (VDC)	Cooling
DDA	Din Rail	250 - 500	1, 2	12, 12 / 5, 12 / -12	1.44 x 4.86 x 4.53	9 - 53	Convection
DPX15W*	Din Rail	14.85 - 15	1, 2	3.3, 5, 5.1, 12, 15, ±5, ±12, ±15	0.96 x 2.27 x 4.92	9.5 - 75	Convection
DPX20W*	Din Rail	18.15 - 20	1, 2	3.3, 5, 12, 15, ±5, ±12, ±15	0.96 x 2.27 x 4.92	9.5 - 75	Convection
DPX30W*	Din Rail	19.8 - 30	1, 2	3.3, 5, 12, 15, ±12, ±15	0.96 x 2.27 x 4.92	9.5 - 75	Convection
DPX40W	Din Rail	40	1, 2	5, 12, 15, ±12, ±15	0.96 x 2.27 x 4.92	9.5 - 75	Convection
DPX40	Din Rail	40	2, 3	±12; ±15; 5, ±12; 5, ±15	0.96 x 2.27 x 4.92	9.5 - 75	Convection
DPX60	Din Rail	60	1	5, 12, 15	0.96 x 2.27 x 4.92	18 - 75	Convection

***Special order**

DC-DC Isolated Converters

Series	Total Power (W)	Outputs	Input Volts (VDC)	Output Volts (VDC)	Amps (A)	Size (inches)	Type
CC-E	1.5 - 30	1 to 2	4.5 - 76	3.3-30, ±12, ±15	up to 9	DIP/SIP	PCB Mount
PXD10,20	10 - 20	1 to 2	9 - 75	3.3- 15, ±5, ±12, ±15	up to 5	2 x 1 x 0.4	PCB Mount
CCG15	13.2 - 15.6	1 to 2	9-36, 18-76	3.3-30, ±12, ±15	up to 4	1.0 x 1.0 x 0.39	PCB Mount
PXE	20 - 30	1 to 2	9 - 75	3.3 - 15, ±5, ±12, ±15	up to 6	2 x 1.6 x 0.4	PCB Mount
CCG30	23 - 30	1 to 2	9-36, 18-76	3.3-30, ±12, ±15	up to 7	1.0 x 1.0 x 0.39	PCB Mount
PXF	40 - 60	1 to 3	9 - 75	3.3-15	up to 14	2 x 2 x 0.4	PCB Mount
iEA	48 - 78	1	18 - 75	5, 12, 15, 18, 28	up to 15	2.3 x 0.9 x 0.35	Eighth Brick
iEH	300	1	36 - 75	10.8, 12	up to 28	2.3 x 0.9 x 0.5	Eighth Brick
CN-A110	30 - 100	1	60 - 160	5, 12, 15, 24	up to 20	2.28 x 1.45 x 0.5	Quarter Brick
HQA	85 - 120	1	9 - 40	3.3, 5, 12, 15, 24, 28, 48	up to 25	2.39 x 2.2 x 0.5	Quarter Brick
GQA	120	1	9 - 36	5, 12, 15, 24, 28, 48	up to 24	2.4 x 1.56 x 0.5	Quarter Brick
iQE	132 - 204	1	18 - 75	5, 12, 15	up to 30	2.28 x 1.45 x 0.4	Quarter Brick
CN-A24	50 - 100	1	14.4 - 36	5, 12, 24	up to 20	2.28 x 1.45 x 0.5	Quarter Brick
PH-A280	50 - 600	1	200 - 425	3.3, 5, 12, 15, 24, 28, 48	up to 20	2.30 x 1.46 x 0.5	Quarter/Half Brick
iQL	72 - 308	1	18 - 75	1.2, 2.5, 3.3, 5, 12, 28	up to 60	2.28 x 1.45 x 0.52	Quarter Brick
iQG	300 - 504	1	36 - 75	9.6, 12	up to 47	2.28 x 1.45 x 0.52	Quarter Brick
CN200A110	200	1	60 - 160	5, 12, 15, 24	up to 40	2.4 x 2.28 x 0.5	Half Brick
PH300A280	300	1	200 - 425	5, 12, 24, 28, 48	up to 60	2.4 x 2.28 x 0.5	Half Brick
PAH300-450	300 - 450	1	18 - 76	12, 28, 48	up to 29	2.4 x 2.28 x 0.5	Half Brick
PAF600F	600	1	19 - 76	12, 28	up to 50	4.6 x 2.4 x 0.5	Full Brick

DC-DC Non-Isolated Converters

Series	Total Power (W)	Outputs	Input Volts (VDC)	Output Volts (VDC)	Amps (A)	Size (inches)	Type
iCF	16-24	1	2.4 - 14	0.6 - 5.5	up to 5	0.48 x 0.48 x 0.175	DOSA 2
iCG	33	1	2.4 - 14	0.6 - 5.5	up to 6	0.48 x 0.48 x 0.335	DOSA 2
iBF	66	1	2.4 0- 14	0.6 - 5.5	up to 12	0.8 c 0.45 x 0.335	DOSA 2
iCH	85	1	4.5 - 14	0.7 - 8.5	up to 12	0.48 x 0.48 x 0.335	DOSA 2+
iBH	80	1	3.5 - 14	0.7 - 5.5	up to 20	0.8 x 0.45 x 0.39	DOSA 2+
iAH	150	1	3.5 - 17	0.7 - 5.5	up to 40	1.3 x 0.53 x 0.4	DOSA 2+
i3A	100	1	9 - 53	3.3 - 30	up to 8	0.75 x 0.92 x 0.38	1/32nd Brick
i6A	250	1	9 - 40	3.3 - 24	up to 14	1.3 x 0.9 x 0.5	Sixteenth Brick
i6A4W	250	1	9 - 53	3.3 - 40	up to 20	1.3 x 0.9 x 0.5	Sixteenth Brick & SIP
i6AN	75	1	9 - 40	-3.3 - -30	up to 8	1.3 x 0.9 x 0.5	Sixteenth Brick
i7C	300	1	9 - 53	5 - 48	up to 12.5	1.45 x 1.34 x 0.5	Wide Sixteenth Brick
i7A	500 - 750	1	18 - 60	3.3 - 24	up to 45	1.45 x 1.34 x 0.5	Wide Sixteenth Brick

Filters

Product Series	Description	Input	Rated Current (A)	Max Leakage current (µA) @250VAC, 60 Hz	Cooling
RSEV	Chassis Mount	250 VAC	6 - 30	1000	Convection
RSAL-20	Chassis Mount	250 VAC	0.5 - 6	1000	Convection
RSEL-20	Chassis Mount	250 VAC	0.5 - 6	1000	Convection
RSAN-20	Chassis Mount, Din rail optional	250 VAC	3 - 30	1000	Convection
RSEN-20	Chassis Mount, Din rail optional	250 VAC	3 - 30	1000	Convection
RSHN-20	Chassis Mount, Din rail optional	250 VAC	3 - 30	1000	Convection
RSMN-20	Chassis Mount, Din rail optional	250 VAC	3 - 30	1000	Convection
RTEN	Chassis Mount, Din rail optional	500 VAC, 3ph	6 - 300	2500	Convection
RTAN	Chassis Mount, Din rail optional	500 VAC, 3ph	6 - 60	2500	Convection
RTMN	Chassis Mount, 2 stages	500 VAC, 3ph	6 - 60	2500	Convection
RTHB	Chassis Mount, 2 stages	500 VAC, 3ph	6 - 150	2500	Convection
RTHC	Chassis Mount, 2 stages	500 VAC, 3ph	6 - 300	2500	Convection
RTHN	Chassis Mount, 2 stages	500 VAC, 3ph	6 - 300	2500	Convection
RTCN	Chassis Mount, for Inverter	500 VAC, 3ph	6 - 300	NA	Convection
FQA/FQB	Quarter Brick - PCB Mount	40 VDC	20	NA	Conduction
iDQ	Open frame - PCB Mount	75 VDC	10	NA	Convection

AC-DC Power Supplies

Alpha1000 Series

RoHS

1000W Multiple Output Modular Power Supplies

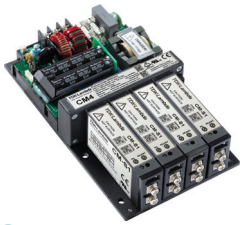
- 3kVAC Input - Output Isolation
- Universal AC Input
- Power Factor Corrected
- Capable of up to 14 Fully Regulated and Independent Outputs
- Output Voltages from 1.8V - 48V
- Low Leakage Options
- International Safety Agency Certification
- Fast-on Tab Connections
- No Minimum Load
- Wide Range Output Modules

CFE400M Series

RoHS

300W Convection / 400W Fan Cooled Power Supplies

- 4kVAC Input - Output Isolation
- 94% Efficient
- 0.5W Standby Power
- Meets ERP/Eco-Design (2009/125/EC)
- Meets Climate Savers Gold Level
- 450W Peak Loading (10s)
- High Power Density (7” x 4” x 1.6”)
- Suitable for 1U Applications
- Five Year Warranty



NEW

CM4 Series

RoHS

600W Conduction Cooled Modular Power Supplies

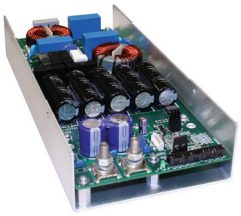
- Conduction cooled
- Wide output adjustment
- Compact 4” x 7” Footprint
- 5 year warranty
- MIL-STD-461F, -704F Immunity

CPFE1000 Series

RoHS

720-1000W Conduction Cooled Power Supplies

- Base plate cooled, no fan required
- High efficiency
- Protective coating
- MIL STD 461/462D CE102 EMC
- I²C Interface
- Wide range AC Input



CPFE1000FI Series

RoHS

720-1000W Conduction Cooled Power Supplies

- Smaller size than CPFE1000F
- Base plate cooled, no fan required
- Protective coating option
- I²C Interface

NEW

TPF45000 Series

RoHS

4,500-45,000W Modular Power Supply

- Rack Mount
- 1-10 Outputs
- 400/440/480VAC Input Delta or WYE
- 385 VDC Output
- 98% Efficient

AC-DC Power Supplies

NEW

RoHS

CSW65 Series

40-65W 90-305V AC-DC Power Supplies

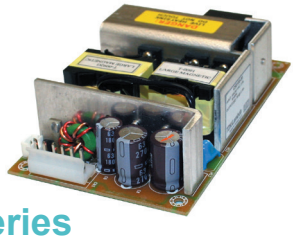
- Accepts 115/230/277VAC Nominal Inputs
- DIN Rail Mount Option
- Global Safety Agency Compliance
- <150mW Off-Load Power Consumption
- DOE Efficiency Level VI
- Class 2 24V Model to UL1310

RoHS

CSS65A Series

40-65W 2" x 4" AC-DC Power Supplies

- 4kVAC Input - Output Isolation
- Low profile, Industry Standard Footprint
- Wide Range AC Input
- Low profile, Industry Standard Footprint
- Global Safety Agency Compliance
- Remote Sense
- Dual Input Fuses
- <75mw off-load power consumption

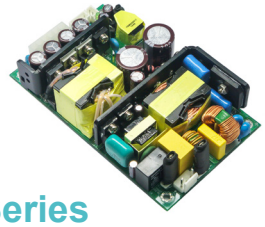


RoHS

CSS150 Series

150W 3" x 5" AC-DC Power Supplies

- 3kVAC Input - Output Isolation
- Wide Range AC Input
- Low Profile, Industry Standard Footprint
- Global Safety Agency Compliance
- Dual Input Fuses

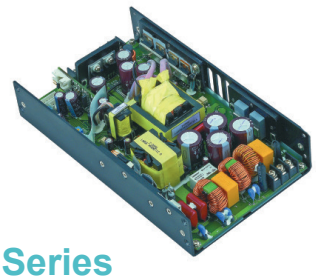


RoHS

CSS280 Series

280W 3" x 5" AC-DC Power Supplies

- 4kVAC Input - Output Isolation
- Wide Range AC Input
- Low profile, Industry Standard Footprint
- 210W Convection
- Global Safety Agency Compliance
- Dual Input Fuses



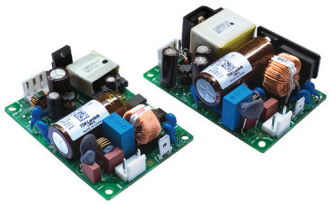
RoHS

CSS500 Series

500W AC-DC Power Supplies

- 4kVAC Input - Output Isolation
- 360W Convection Rating
- High Efficiency
- IEC60601-1 or IEC60950-1 Certifications
- ORing FET & Current Share (for Parallel Operation)
- Dual Input Fuses

AC-DC Power Supplies

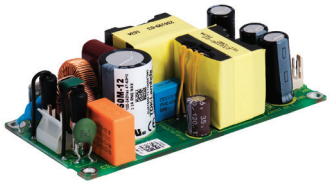


CUS30M & CUS60M Series

RoHS

30-60W AC-DC Power Supplies

- High Efficiency, up to 90%
- Industry Standard 2” x 3” Footprint
- Convection Cooled
- Class I and II Operation
- Suitable for B and BF rated equipment



NEW

CUS100-150M Series

RoHS

100-150W AC-DC Power Supplies

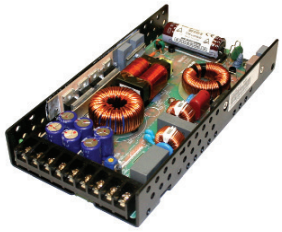
- 100-150W Convection Rating (/U version)
- ITE & Medical Certifications (2 x MOPP)
- Class B Conducted and Radiated EMI
- Suitable for Class I and Class II installations
- Compact 2 x 4 x 1.24” Footprint
- Suitable for BF Rated Equipment
- Operation up to 85°C Ambient

CUS200LD Series

RoHS

79-153W Single Output AC-DC Power Supplies

- Convection or Conduction Cooled
- Up to 206W Peak Power Capability
- Low 31mm Height
- -40°C Ambient temperature Start-Up



CUS250LD Series

RoHS

250W Single Output Low Profile Power Supplies

- High Efficiency, up to 90%
- 1.18” high
- Wide Range AC Input
- Convection Cooled
- Conformal Coated pcb as standard
- Three year warranty

NEW

CUS400M Series

RoHS

400W AC-DC Power Supplies

- 250W (400W Peak) Convection Rating
- 400W with Forced Air
- Medical Certifications (2 x MOPP)
- Class B Conducted and Radiated EMI
- Suitable for Class I and Class II installations
- Compact 3 x 5 x 1.4” Footprint
- Enclosure & Signal Options

NEW

CUS600M Series

RoHS

600W AC-DC Power Supplies

- 400W (600W Peak) Convection Cooled
- 600W with Forced Air
- Medical Certifications (2 x MOPP)
- Class B Conducted and Radiated EMI
- Suitable for Class I and Class II installations
- Compact 3 x 5 x 1.5” Size
- Enclosure & Signal Options

AC-DC Power Supplies

CUS200M Series

RoHS

200-250W 3” x 5” Power Supplies

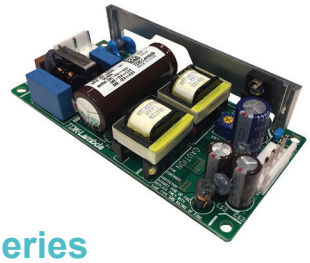
- 4kVAC Input - Output Isolation
- High Efficiency, up to 94%
- 200W Convection Cooled Rating
- Suitable for BF Rated Equipment
- 5V Standby Output

CUS350M Series

RoHS

350W/420W Single Output Power Supplies

- 4kVAC Input - Output Isolation
- High Efficiency, up to 94%
- 1.6” High
- 350W Convection Cooled, 420W Forced Air Rating
- 5V Standby & 12V Fan Output



CUT35 Series

RoHS

14-22W AC-DC Power Supplies

- 2” x 4” x 1.06” footprint
- Output 1 isolated from outputs 2 & 3
- No minimum loading
- Medical & ITE Certifications
- Three year warranty

CUT75 Series

RoHS

75W AC-DC Power Supplies

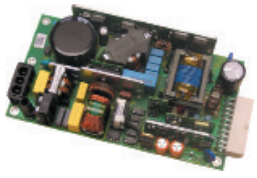
- 3” x 5” x 1.06” footprint
- Output 1 isolated from outputs 2 & 3
- No minimum loading
- Convection Cooled
- Three year warranty

EFE300 & 400 Series

RoHS

300W / 400W, 3” x 5” / 3 x 6” Power Supplies

- High Efficiency
- Active Power Factor Correction
- Universal Input (90 - 264VAC)
- High peak loading capability
- Suitable for 1U applications
- Full Digital Control
- Low Profile



EFE300M & 400M Series

RoHS

300-400W Power Supplies

- 4kVAC Input - Output Isolation
- Suitable for BF Rated Equipment
- ORing FET for Parallel Operation
- Universal Input (90 - 264VAC)
- Peak Loading (10s)
- 1U Form Factor
- Full Digital Control
- High Efficiency
- Low Profile

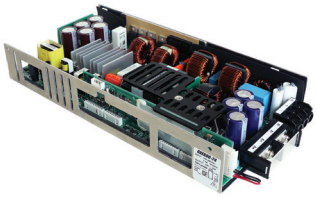
AC-DC Power Supplies

GWS Series

RoHS

250 & 500W Single Output Power Supplies

- High Efficiency, up to 93%
- 1.6” high (For 1U racking)
- Wide Range AC Input
- 250W Convection Cooled
- Five Year Warranty



NEW

GXE600 Series

RoHS

600W Single Output Programmable Medical and ITE Power Supplies

- Convection Cooled
- Up to 95% Efficient
- RS-485 Read-Write Communication (Modbus RTU protocol)
- Constant Voltage & Constant Current Modes
- Monitoring & Programming Functions
- Digital or Analog Programming
- Seven Year Warranty

HFE1600/2500 Series

RoHS

1600W 1U Front End Power Supplies

- 1U rackmount containing up to 5 units
- Internal ORing MOSFET & Current Share
- High Efficiency
- Up to 9500W in 1U rack
- Full array of signals available
- PMBusTM(I2C) and LAN options

HWS Series

RoHS

15, 30, 50, 100, 150W AC-DC Power Supplies

- Limited Lifetime Warranty
- UL508 approved
- SEMI F47 Compliant (high line AC)
- Universal Input (85 - 265VAC)
- High Efficiency
- Wide Range AC Input

HWS50-1500/HD Series

RoHS

50-1500W AC-DC Power Supplies

- Limited Lifetime Warranty
- -10 to +71°C Operation (-40°C start up)
- Universal Input (85 - 265VAC)
- Conformally coated pcbs
- Class 1 Div 2 option (/RYHD suffix)

HWS300-1500 Series

RoHS

300-1500W Single Output Power Supplies

- Limited Lifetime Warranty
- UL508 approved
- SEMI F47 Compliant (high line AC)
- Universal Input (85 - 265VAC)
- High Efficiency
- Class 1 Div 2 option (/RY suffix)
- Wide Range AC Input

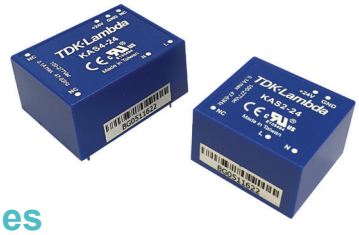
AC-DC Power Supplies

HWS1800T Series

RoHS

1800W 3 Phase Industrial Power Supplies

- Limited Lifetime Warranty
- 208VAC Three Phase Input
- High Efficiency
- SEMI F47 Compliant
- Compact Size



KAS Series

RoHS

2 & 4W AC-DC Power Supplies

- Low Profile
- Smaller Footprint
- PC Board Mountable
- Low Cost
- UL Class II Approved
- Wide Input Range
- No External Components needed

KPSA Series

RoHS

5, 10, 15W AC-DC Power Supplies

- 90 - 305VAC Input Voltage
- Class II (No ground needed)
- Wide Temperature Range (-40 to +80°C)
- Low Off-Load Power Draw
- High Efficiency

KWSA Series

RoHS

5, 10, 15, 25W AC-DC Power Supplies

- Wide Temperature Range -40 (start up) to +85°C)
- <0.5W Off-Load Power Draw
- Efficiences up to 88%
- Compact Sizes
- Class II, No Ground Connection

KM Series

RoHS

15-40W AC-DC PCB-Mount Power Supplies

- 4kVAC Input - Output Isolation
- PC Board Mountable
- Wide Range Input
- Small Size and Lightweight
- Class II (No ground needed)
- High Efficiency

NEW

KMS-A Series

RoHS

15, 30, 60W AC-DC PCB-Mount Power Supplies

- 4kVAC Input - Output Isolation
- PC Board Mountable
- Smaller Size than KMS
- Class II (No ground needed)
- Wide Temperature Range (-40 to +80°C)
- Low Off-load Power Draw
- High Efficiency

AC-DC Power Supplies

LS Series

RoHS

25 - 150W AC-DC Power Supplies

- Very low cost
- 25W to 150W
- Small size
- 115VAC or 230VAC input
- Withstands 300VAC surges (5s)
- Five year warranty

LS200 Series

RoHS

150 - 200W AC-DC Power Supplies

- Very low cost
- Small Size
- Wide Range AC Input
- Convection or Fan Cooled
- Five year warranty
- 1.6” high (For 1U racking)

LZSA Series

RoHS

500-1500W Single Output Industrial Power Supplies

- -40ºC to +71ºC Operation
- MIL-STD-810E Vibration / Shock
- Input transient protected
- UL508, SEMIF47, Factory Mutual (Class 1, Division 2)
- Rugged mechanical design with coating on pcbs
- Superior thermal design
- Wide range adjustment of output
- Five Year Warranty

NV175 Series

RoHS

175-200W 3” x 5” Power Supplies

- 3kVAC Input - Output Isolation
- 1-5 Outputs
- Up to 90% Efficient
- Active Power Factor Correction
- Universal Input (90 - 264VAC)
- No Minimum Loads

NV175-M Series

RoHS

180-200W 3” x 5” Power Supplies

- 4kVAC Input - Output Isolation
- 1-3 Outputs
- Up to 90% Efficient
- Active Power Factor Correction
- Universal Input (90 - 264VAC)
- No Minimum Loads

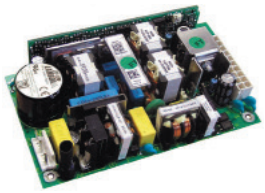
NV350/700 Series

RoHS

350W-1150W Modular Power Supplies

- 4kVAC Input - Output Isolation (C, CC, CM modules only)
- 1U Form Factor
- Up to 90% Efficient
- Active Power Factor Correction
- Universal Input (90 - 264VAC)
- Up to 8 Outputs (6 for the NV350)
- No Minimum Loads
- Peak Power Rating of up to 1450W

AC-DC Power Supplies



NVM175 Series

RoHS

180W 3" x 5" Power Supplies

- 4kVAC Input - Output Isolation
- Reinforced Input to Output Isolation for IEC60601
- Very Low Earth Leakage and Class B EMC
- Standby Supply and Remote On/Off
- High Efficiency (90%) & High Power Density (9.3 W/in3)
- 1U Form Factor
- Dual Fusing

PFE-SA Series

RoHS

300-1008W AC-DC Power Supplies

- Low profile, small size
- 100°C baseplate temperature
- High power density
- High Efficiency
- Suitable for conduction cooling
- Power Factor Corrected (PFC)

NEW

RoHS

PFH500F Series

500W AC-DC Power Module

- 4" x 2.4" Brick Foot-print with Metal Case
- 85 - 265VAC Input
- 12, 28, 48VDC Output; 12V Aux
- High Power Density; High Efficiency
- Suitable for Conduction Cooling
- Power Factor Corrected
- PMBus™
- Droop Load Share (optional)

NEW

RoHS

QM4/QM5/QM7/QM8 Series

550-2000W Medical Multiple Output Modular Power Supplies

- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- High Efficiency
- Low Speed, Low Audible Noise Fans
- Up to 18 Outputs
- Industry Leading Flexibility
- Suitable for BF Rated Equipment
- Seven Year Warranty

NEW

RoHS

QS Series

550-1200W Single Output Modular Power Supplies

- Full Medical Isolation (MoPP)
- Suitable for B and BF Rated Equipment
- Low Speed, Low Audible Noise Fans
- Dual Fusing
- High Current 5V/2A Standby
- Class B Conducted & Radiated EMI
- PMBus™ Communications Option
- 7 Year Warranty

RoHS

RFE1600/RFE2500 Series

1600-2500W 1U Industrial Power Supplies

- 1U High
- Internal ORing FETs & Current Share
- High Efficiency
- I²C, PMBus Communication Option

AC-DC Power Supplies

RWS-B Series

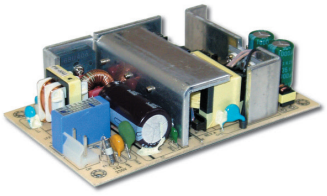
50-600W Single Output General Purpose Power Supplies

- Low Cost
- Wide Range AC Input 85 - 265VAC (300VAC for 5s)
- UL508 Certification on Select Models
- Enclosed Construction
- Compact Size
- Seven Year Warranty

RWS1000/1500-B Series

1000W to 1500W Single Output General Purpose Power Supplies

- Cost Effective
- Wide Range AC Input 85 - 265VAC
- Enclosed Construction
- Compact Sizes
- SEMI F47 Line Dips
- Seven Year Warranty



SCS120PW Series

120W, 3" x 5" Single Output Power Supplies

- Low Profile
- Convection cooled
- Wide Range AC Input with PFC
- Global Safety Agency Compliance
- Industry standard footprint

SWS600/1000-L Series

600-1000W Single Output Low Profile Power Supplies

- Low Cost
- Low Profile
- Active Power Factor Correction
- Universal Input (85 - 265VAC)
- Input Transient Protected IEC61000-4
- Low Acoustical noise
- Medical Certifications (SWS1000L)
- Global safety Approvals
- Variable speed fan

TPS3000 Series

3200W 3 Phase Input Industrial Power Supplies

- 400/440/480 VAC (Nominal) 3 Phase Delta or Wye
- Fully Regulated, Wide Range Adjustable Output
- Voltage and Current Programming
- -40°C (start up) to +70°C operation
- >92% Efficiency
- PMBus™ Communication
- Built in ORing FETs & Active I share for parallel operation
- Fully Featured

NEW

TPS4000 Series

2000-4080W 3 Phase Input Industrial Power Supplies

- 400/440/480 VAC (Nominal) 3 Phase Delta or Wye
- Constant Voltage & Constant Current modes, Fully Regulated
- Wide Range Voltage and Current Programming
- -40°C (start up) to +70°C operation
- Up to 93% Efficiency
- PMBus™ Communication
- Built in ORing FETs & Active I Share for parallel operation
- MIL-STD-461F/G EMC. MIL-STD-810F Vibration / Shock

AC-DC Power Supplies

Vega Series

RoHS

450-900W Multiple Output Modular Power Supplies

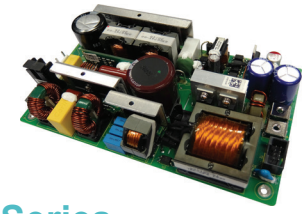
- 4kVAC Input - Output Isolation
- 1-10 Wide Range Outputs with Adjustment
- Forward/Reverse/Low Noise/System Air Cooling
- Output Voltages from 0.5V - 62V
- 48VDC Input Option
- MIL-STD-810 Shock and Vibration
- PFC Compliant to EN61000-3-2
- Safety Agency Approvals EN, cULus, BSI, CE

Vega Lite Series

RoHS

550-900W Multiple Output Modular Power Supplies

- Suitable for higher volume applications
- 1-10 Wide Range Outputs with Adjustment
- Output Voltages From 1.8 - 56V
- Medical Approval Options
- MIL-STD-810 Shock and Vibration
- PFC compliant to EN61000-3-2
- Safety Agency Approvals EN, cULus, BSI, CE



XMS500 Series

RoHS

500W Configurable, Class I or Class II AC-DC Power Supplies

- 4kVAC Input - Output Isolation
- High Efficiency
- Class I / II Curve B EMC
- 1U Form Factor
- Low Airflow Requirement
- Five Year Warranty

Z+ Series

RoHS

200-800W Programmable Power Supplies

- 2U high
- Built-in USB, RS-232 & RS-485 Interface
- Optional LAN, GPIB & Isolated Analog Programming
- Bench or Rack Mount
- Constant Current or Voltage Modes
- Five Year Warranty

ZPSA20 Series

RoHS

14-22W AC-DC Power Supplies

- Wide Range AC Input
- Low Profile, Industry Standard Footprint
- Global Safety Agency Compliance
- Class B Conducted EMI

ZPSA40-60 Series

RoHS

40-60W, 2" x 4" AC-DC Power Supplies

- Single Output
- Wide Range AC Input
- Low 1.07" Profile
- Industry Standard Footprint
- Global Safety Agency Compliance
- Up to 88% Efficiency

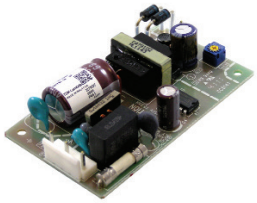
AC-DC Power Supplies

ZPSA100 Series

RoHS

100W 3" x 5" AC-DC Power Supplies

- PFC
- Wide Range AC Input
- Low Profile, Industry Standard Footprint
- Global Safety Agency Compliance
- RoHS Compliant
- Up to 84% Efficiency
- Meets EN61000-4 Immunity



ZWSB Series

RoHS

10, 15, 30W AC-DC Power Supplies

- Universal Input (85 - 265VAC)
- Five Year Warranty
- Small Size
- <0.5W Off-Load Power Draw
- 10 year E-cap lifetime

ZWS50-150BAF Series

RoHS

33-150W AC-DC Power Supplies

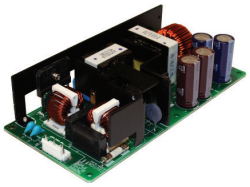
- Universal Input (85 - 265VAC)
- Power factor Corrected
- Convection Cooled
- Five Year Warranty
- Compact Design

ZWS240RC-24 Series

RoHS

240W 24V Output Power Supply with EN62477-1 OVC III

- Certified to IEC/EN62477-1 OVC III
- 12 Year e-cap Lifetime
- Five Year Warranty
- Convection Cooling



ZWS300BAF Series

RoHS

300W Single Output, Convection Cooled Power Supplies

- Universal Input (85 - 265VAC)
- Power Factor Corrected
- Convection cooling (300W) or Forced Air (336-338W)
- Five Year warranty
- Less than 0.5mA earth leakage current

External / Desktop Power Supplies

DT62/80D Series

40-80W ITE AC-DC External Power Supplies

- Meets Efficiency Level VI requirements
- No load Power consumption <210mW DT62, <150mW DT80
- Power Factor Correction (DT80)
- LED ON indicator (Blue)

DT100/150D Series

100W to 150W AC-DC External Power Supplies

- DOE Level VI and EU tier 2 Efficiency Levels
- >89% Average Efficiency
- <150mW Off-load Power Draw
- Wide Range AC Input
- Power Factor Correction

DTM110C8 Series

110W Class II External Power Supplies

- 4kVAC Input - Output Isolation
- Meets DOE Level VI Efficiency
- < 0.15W Off-load Power Draw
- Power Factor Correction
- LED ON indicator (Blue)

DTM250-D Series

250W Medical / ITE External Power Supplies

- Meets DoE Level VI & EU Tier 2 Efficiency
- Medical & ITE Certifications
- < 0.15W Off-load Power Draw
- Meets IEC60601-1-2 Ed4
- Suitable for B & BF Rated Equipment

DTM300-D Series

300W Class I and II External Power Supplies

- 4kVAC Input - Output Isolation
- Meets DOE Level VI Efficiency
- Class I & II Inputs
- < 0.5W Off-load Power Draw
- Power Factor Correction

AC-DC DIN Rail Power Supplies

DRB15-100 Series

RoHS

15-100W DIN Rail Mount Power Supplies

- Compact Size
- 5V, 12V, 24V, or 48V Outputs
- High Efficiency (Up to 91%)
- ErP Compliant Design
- Low No Load Power Draw
- Class 2 Models to UL1310
- Class 1 Div 2 for Hazardous Locations

NEW

DRB120-480 Series

RoHS

480W DIN Rail Mount Power Supplies

- Compact Size, Narrow Width
- 24V -28V, 48V - 52.8V Outputs
- High Efficiency (>93% at 230VAC)
- Conservatively Rated Electrolytic Capacitors
- Curve B EMC
- Three Year Warranty

DRL Series

RoHS

10-100W Low Profile DIN Rail Mount Power Supplies

- Low Profile for Building Automation
- 12V, or 24V Outputs
- Class II Double Insulation
- High Efficiency (Up to 90%)
- ErP Compliant Design
- Low No Load Power Consumption
- Class 2 Models to UL1310
- SEMI F47 Compliant

NEW

DRF Series

RoHS

120-960W DIN Rail Mount Power Supplies

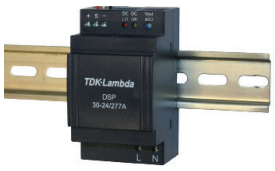
- Very Compact Size
- 24V - 28V Outputs
- High Efficiency (Up to 94%)
- 150% Peak Power Capability for 4s
- ErP Compliant Design
- Low Standby Power Draw
- Remote On/Off
- Remote Voltage Adjustment
- Hazardous Location Option (/HL)

DSP Series

RoHS

7.5-100W Low Profile DIN Rail Mount Power Supplies

- Low Profile for Building Automation
- 5V, 12V, 15V, or 24V Outputs
- Wide Range AC Input
- UL1310 Class 2
- Class II Double Insulation
- -25 to +71°C Operation



DSP30-244/277A2 Series

RoHS

30W 90-304VAC Input DIN Rail Power Supply

- Low Profile for Building Automation
- 24V Output
- Wide Range AC Input (90-304VAC)
- Evaluated to NEC NFPA70 Class 2 Output
- Class II Double Insulation
- AC Line Frequency Sync Signal
- -25 to +71°C Operation

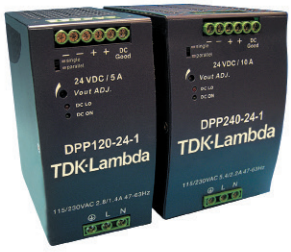
AC-DC DIN Rail Power Supplies

DPP15-100 Series

RoHS

15-100W, DIN Rail Mount Power Supplies

- Low Cost
- 5V, 12V, 15V, 24V, or 48V Outputs
- Universal Input
- NEC NFPA70 Class 2
- UL508 Listed
- Class 1, Division 2 (ISA 12.12)
- -10 to +71°C Operation



DPP120-240 Series

RoHS

120W & 240W DIN Rail Mount Power Supplies

- Low Cost
- 12V, 24V or 48V Outputs
- 93-132 / 186-264VAC
- Auto-ranging Input (no manual switching)
- Parallel Function Switch
- -40 to +71°C Operation

DPP480 Series

RoHS

480W Single Output DIN Rail Mount Power Supplies

- Low Cost
- 24V or 48V Outputs
- 90 to 264VAC
- Wide Range AC Input
- Active PFC
- Parallel Function Switch
- -40 to +71°C Operation

DPP120-960 Series

RoHS

120W, 240W, 480W & 960W 3 Phase DIN Rail Mount Power Supplies

- Low Cost
- 12V, 24V or 48V Outputs
- Wide Range 340 to 575VAC Input
- Parallel Function Switch (240 & 480W)
- Current Share (960W)
- -40 to +71°C Operation

Droop Mode Current Sharing

If two or more supplies are to be connected together to produce more power or share the load, then a parallel-capable model should be selected. TDK-Lambda's DPP100, 120, 240 and 480 models are all parallel-capable.

On the front of each power supply is a small black switch. For parallel operation, this switch should be set to "parallel" (Fig.1).

In single mode, the load regulation (the amount the output voltages changes with load) is minimal, with the difference being less than 0.24V from zero load to full load for a 24V output power supply.

In parallel mode, that load regulation is artificially increased to 1.2V using internal circuitry (Fig. 2).

The extra voltage drop, or "droop," is proportional to the load drawn, so that when two or more power supplies are connected in parallel, the output load is shared between the power supplies. If one of the paralleled power supplies provides more current, its output will droop slightly, and the other supplies will balance.

For optimal performance, all power supplies should have their outputs set to the same voltage.

Fig. 1

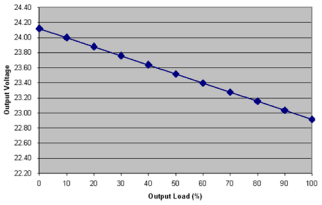


Fig. 2

Programmable Power Supplies

Genesys™ Series

RoHS

"GENH" Half-Rack 750W General Purpose Programmable Power

- Single Output: 6V (0-100A) to 600V (0-1.3A)
- AC Input: Wide-range single phase (85VAC ~ 265VAC) / Active PFC (0.99)
- CV/CC operation with Auto-Crossover; 0ºC to +50ºC operation
- Built-In Interfaces: Front Panel, RS-232, RS-485 and Remote Analog (5V/10V)
- Digital Interfaces (optional): LAN (LXI 1.5), USB or IEEE
- Analog Interfaces (optional): IS510 (5V/10V) or IS420 (4-20mA)
- Instrument Software Drivers available
- UL/cUL/EN 60950-1 Listed & CE Mark
- Five Year Warranty

Genesys™ Series

RoHS

"GEN-1U" Full-Rack 750W/1500W General Purpose Programmable Power

- Single Output 6V (0-100A/0-200A) to 600V (0-1.3A/0-2.6A)
- AC Input: Wide-range single phase (85VAC ~ 265VAC) / Active PFC (0.99)
- CV/CC operation with Auto-Crossover; 0ºC to +50ºC operation
- Built-In Interfaces: Front Panel, RS-232, RS-485 and Remote Analog (5V/10V)
- Digital Interfaces (optional): LAN (LXI 1.5), USB or IEEE
- Analog Interfaces (optional): IS510 (5V/10V) or IS420 (4-20mA)
- Instrument Software Drivers available
- UL/cUL/EN 60950-1 Listed & CE Mark
- Five Year Warranty

Genesys™ Series

RoHS

"GEN-1U" Full-Rack 2400W General Purpose Programmable Power

- Single Output: 8V (0-300A) to 600V (0-4A)
- Offered in single-phase 230VAC (0.99 PF) or three-phase 208VAC (0.94 PF)
- CV/CC operation with Auto-Crossover; 0C to +50ºC operation.
- Built-in +5VDC and +15VDC Auxiliary Outputs
- Auxiliary Outputs; 0ºC to +50ºC operation
- Built-In Interfaces: Front Panel, RS-232,RS-485 and Remote Analog (5V/10V)
- Digital Interfaces (optional): LAN (LXI 1.5), USB or IEEE
- Analog Interfaces (optional): IS510 (5V/10V) or IS420 (4-20mA)
- Instrument Software Drivers available
- UL/cUL/EN 60950-1 Listed & CE Mark
- Five Year Warranty

Genesys™ Series

RoHS

"GEN-2U" Full-Rack 3.3kW General Purpose Programmable Power

- 3.3kW (Single Output): 8V (0-400A) to 600V (0-5.5A)
- Offered in single-phase 230VAC (0.99 PF), three-phase 208VAC (0.94 PF) or three-phase 480VAC (0.94 PF)
- CV/CC operation with Auto-Crossover; 0ºC to +50ºC operation
- Built-In Interfaces: Front Panel, RS-232,RS-485 and Remote Analog (5V/10V)
- Digital Interfaces (optional): LAN (LXI 1.5), USB or IEEE
- Analog Interfaces (optional): IS510 (5V/10V) or IS420 (4-20mA)
- Instrument Software Drivers available
- UL/cUL/EN 60950-1 Listed & CE Mark
- Five Year Warranty

Genesys™ Series

RoHS

"GEN-2U" Full-Rack 5.0kW General Purpose Programmable Power

- 5.0kW (Single Output): 8V (0-600A) to 600V (0-8.5A)
- Offered in three-phase 208VAC (0.94 PF) or three-phase 480VAC (0.94 PF)
- CV/CC operation with Auto-Crossover; 0ºC to +50ºC operation
- Built-In Interfaces: Front Panel, RS-232,RS-485 and Remote Analog (5V/10V)
- Digital Interfaces (optional): LAN (LXI 1.5), USB or IEEE
- Analog Interfaces (optional): IS510 (5V/10V) or IS420 (4-20mA)
- Instrument Software Drivers available
- UL/cUL/EN 60950-1 Listed & CE Mark
- Five Year Warranty

Programmable Power Supplies

Genesys™ Series

RoHS

"GEN-3U" Full-Rack 10kW General Purpose Programmable Power

- 10kW (Single Output): 7.5V (0-1000A) to 1500V (0-6.7A)
- Offered in three-phase 208VAC, three-phase 400VAC, or three-phase 480VAC (0.88 to 0.93 PF)
- CV/CC operation with Auto-Crossover; 0ºC to +50ºC operation
- Built-In Interfaces: Front Panel, RS-232,RS-485 and Remote Analog (5V/10V)
- Digital Interfaces (optional): LAN (LXI 1.5), USB or IEEE
- Analog Interfaces (optional): IS510 (5V/10V) or IS420 (4-20mA)
- Instrument Software Drivers available
- UL/cUL/EN 60950-1 Recognized & CE Mark
- Five Year Warranty

Genesys™ Series

RoHS

"GEN-3U" Full-Rack 15kW General Purpose Programmable Power

- 15kW (Single Output): 30V (0-500A) to 1500V (0-10A)
- Offered in three-phase 208VAC, three-phase 400VAC, or three-phase 480VAC (0.88 to 0.93 PF)
- CV/CC operation with Auto-Crossover; 0ºC to +50ºC operation
- Built-In Interfaces: Front Panel, RS-232,RS-485 and Remote Analog (5V/10V)
- Digital Interfaces (optional): LAN (LXI 1.5), USB or IEEE
- Analog Interfaces (optional): IS510 (5V/10V) or IS420 (4-20mA)
- Instrument Software Drivers available
- UL/cUL/EN 60950-1 Recognized & CE Mark
- Five Year Warranty

GENESYS™ Series

RoHS

"GH" Half-Rack 1kW Advanced Programmable Power

- 1kW (Single Output): 10V (0-10A) to 600V (0-1.7A) with Blank Front Panel option and Air Filter Kit accessory
- AC Input: Wide-range single phase (85VAC ~ 265VAC) / Active PFC (0.99)
- Advanced Features Built-In; CV/CC/CP limit operation with Auto-Crossover; 0ºC to +50ºC operation
- Built-In Interfaces: Front Panel, RS-232, RS-485, LAN (LXI 1.5), USB and Remote Isolated Analog (5V/10V)
- Digital Interfaces (optional): IEEE (488.2 & SCPI compliant), Modbus-TCP, EtherCAT
- Instrument Software Drivers available
- Size/Weight: Half-Rack Width in 1U; Less than 7.7lbs (3.5kg)
- UL/cUL/EN 60950-1 Listed & CE Mark
- Five Year Warranty

GENESYS™ Series

RoHS

"GH" Half-Rack 1.5kW Advanced Programmable Power

- 1.5kW (Single Output): 10V (0-150A) to 600V (0-2.6A) with Blank Front Panel option and Air Filter Kit accessory
- AC Input: Wide-range single phase (85VAC ~ 265VAC) / Active PFC (0.99)
- Advanced Features Built-In; CV/CC/CP limit operation with Auto-Crossover; 0ºC to +50ºC operation
- Built-In Interfaces: Front Panel, RS-232, RS-485, LAN (LXI 1.5), USB and Remote Isolated Analog (5V/10V)
- Digital Interfaces (optional): IEEE (488.2 & SCPI compliant), Modbus-TCP, EtherCAT
- Instrument Software Drivers available
- Size/Weight: Half-Rack Width in 1U; Less than 7.7lbs (3.5kg)
- UL/cUL/EN 60950-1 Listed & CE Mark
- Five Year Warranty

GENESYS™ Series

RoHS

"G-1U" Full-Rack 1kW Advanced Programmable Power

- 1kW (Single Output): 10V (0-100A) to 600V (0-1.7A) with Blank Front Panel option and Air Filter Kit accessory
- AC Input: Wide-range single phase (85VAC ~ 265VAC) / Active PFC (0.99)
- Advanced Features Built-In; CV/CC/CP limit operation with Auto-Crossover; 0ºC to +50ºC operation
- Built-In Interfaces: Front Panel, RS-232, RS-485, LAN (LXI 1.5), USB and Remote Isolated Analog (5V/10V)
- Digital Interfaces (optional): IEEE (488.2 & SCPI compliant), Modbus-TCP, EtherCAT
- Instrument Software Drivers available
- Size/Weight: Full-Rack Width in 1U; Lightweight; Less than 11lbs (5kg)
- UL/cUL/EN 60950-1 Listed & CE Mark
- Five Year Warranty

GENESYS™ Series

RoHS

"G-1U" Full-Rack 1.7kW Advanced Programmable Power

- 1.7kW (Single Output): 10V (0-170A) to 600V (0-2.8A) with Blank Front Panel option and Air Filter Kit accessory
- AC Input: Wide-range single phase (85VAC ~ 265VAC) / Active PFC (0.99)
- Advanced Features Built-In; CV/CC/CP limit operation with Auto-Crossover; 0ºC to +50ºC operation
- Built-In Interfaces: Front Panel, RS-232, RS-485, LAN (LXI 1.5), USB and Remote Isolated Analog (5V/10V)
- Digital Interfaces (optional): IEEE (488.2 & SCPI compliant), Modbus-TCP, EtherCAT
- Instrument Software Drivers available
- Size/Weight: Full-Rack Width in 1U; Lightweight; Less than 11lbs (5kg)
- UL/cUL/EN 60950-1 Listed & CE Mark
- Five Year Warranty

Programmable Power Supplies

GENESYS™ Series

RoHS

"G-1U" Full-Rack 2.7kW Advanced Programmable Power

- 2.7kW (Single Output): 10V (0-265A) to 600V (0-4.5A) with Blank Front Panel option and Air Filter Kit accessory
- AC Input: single-phase 208VAC (0.99 PF), three-phase 208VAC (0.94 PF) or wide-range three-phase 400VAC/480VAC (0.94 PF)
- Advanced Features Built-In; CV/CC/CP limit operation with Auto-Crossover; 0ºC to +50ºC operation
- Built-In Interfaces: Front Panel, RS-232, RS-485, LAN (LXI 1.5), USB and Remote Isolated Analog (5V/10V)
- Digital Interfaces (optional): IEEE (488.2 & SCPI compliant), Modbus-TCP, EtherCAT
- Instrument Software Drivers available
- Size/Weight: Full-Rack Width in 1U; Less than 13.75lbs (6.25kg)
- UL/cUL/EN 60950-1 Listed & CE Mark
- Five Year Warranty

GENESYS™ Series

RoHS

"G-1U" Full-Rack 3.4kW Advanced Programmable Power

- 3.4kW (Single Output): 10V (0-340A) to 600V (0-5.6A) with Blank Front Panel option and Air Filter Kit accessory
- AC Input: single-phase 230VAC (0.99 PF), three-phase 208VAC (0.94 PF)or wide-range three-phase 400VAC/480VAC (0.94 PF)
- Advanced Features Built-In; CV/CC/CP limit operation with Auto-Crossover; 0ºC to +50ºC operation
- Built-In Interfaces: Front Panel, RS-232, RS-485, LAN (LXI 1.5), USB and Remote Isolated Analog (5V/10V)
- Digital Interfaces (optional): IEEE (488.2 & SCPI compliant), Modbus-TCP, EtherCAT
- Instrument Software Drivers available
- Size/Weight: Full-Rack Width in 1U; Less than 13.75lbs (6.25kg)
- UL/cUL/EN 60950-1 Listed & CE Mark
- Five Year Warranty

GENESYS™ Series

RoHS

"G-1U" Full-Rack 5kW Advanced Programmable Power

- 5kW (Single Output): 10V (0-500A) to 600V (0-8.5A) with Blank Front Panel option and Air Filter Kit accessory
- AC Input: three-phase 208VAC (0.94 PF) or wide-range three-phase 400VAC/480VAC (0.94 PF)
- Advanced Features Built-In; CV/CC/CP limit operation with Auto-Crossover; 0ºC to +50ºC operation
- Built-In Interfaces: Front Panel, RS-232, RS-485, LAN (LXI 1.5), USB and Remote Isolated Analog (5V/10V)
- Digital Interfaces (optional): IEEE (488.2 & SCPI compliant), Modbus-TCP, EtherCAT
- Instrument Software Drivers available
- Size/Weight: Full-Rack Width in 1U; Less than 16.5lbs (7.5kg)
- UL/cUL/EN 60950-1 Listed & CE Mark
- Five Year Warranty

GENESYS™ Series

RoHS

"GSP-2U" Full-Rack 10kW Advanced Programmable Power

- 10kW (Single Output): 10V (0-1000A) to 600V (0-17A) with Blank Front Panel option and Air Filter Kit accessory
- AC Input: three-phase 208VAC (0.94 PF) or wide-range three-phase 400VAC/480VAC (0.94 PF)
- Advanced Features Built-In; CV/CC/CP limit operation with Auto-Crossover; 0ºC to +50ºC operation
- Built-In Interfaces: Front Panel, RS-232, RS-485, LAN (LXI 1.5), USB and Remote Isolated Analog (5V/10V)
- Digital Interfaces (optional): IEEE (488.2 & SCPI compliant), Modbus-TCP, EtherCAT
- Instrument Software Drivers available
- Size/Weight: Full-Rack Width in 2U; Less than 31lbs (15.5kg)
- UL/cUL/EN 60950-1 Listed & CE Mark
- Five Year Warranty

GENESYS™ Series

RoHS

"GSP-3U" Full-Rack 15kW Advanced Programmable Power

- 15kW (Single Output): 10V (0-1500A) to 600V (0-25.5A) with Blank Front Panel option and Air Filter Kit accessory
- AC Input: three-phase 208VAC (0.94 PF) or wide-range three-phase 400VAC/480VAC (0.94 PF)
- Advanced Features Built-In; CV/CC/CP limit operation with Auto-Crossover; 0ºC to +50ºC operation
- Built-In Interfaces: Front Panel, RS-232, RS-485, LAN (LXI 1.5), USB and Remote Isolated Analog (5V/10V)
- Digital Interfaces (optional): IEEE (488.2 & SCPI compliant), Modbus-TCP, EtherCAT
- Instrument Software Drivers available
- Size/Weight: Full-Rack Width in 3U; Less than 51.7lbs (23.5kg)
- UL/cUL/EN 60950-1 Listed & CE Mark
- Five Year Warranty

Programmable Power Supplies

RoHS

Z+ Series

200-800W Programmable Power Supplies

- 2U high
- Built-in USB, RS-232 & RS-485 Interface
- Optional LAN, GPIB & Isolated Analog Programming
- Bench or Rack Mount
- Constant Current or Voltage Modes
- Five Year Warranty

High Voltage Capacitor Charging

ALE Models 500A, 102A, 152A

OEM Style Capacitor Charging Power

- Average Power: 500J/sec, 1kJ/sec, 1.5kJ/sec
  - 500W, 1kW, 1.5kW in continuous DC applications
- Peak Power: 550J/sec, 1.1kJ/sec, 1.65kJ/sec
- Output Voltages: 0-1kV to 0-40kV
- Medical Safety Certification
- 110/220VAC Input (500A/102A), 220VAC Input (152A)
- Optional Active PFC with pf=0.98
- Air-cooled

ALE Model 202A

OEM Style Capacitor Charging Power

- Average Power: 2kJ/sec
  - 2kW in continuous DC applications
- Peak Power: 2.2kJ/sec
- Output Voltages: 0-1kV to 0-40kV
- 220VAC Input with standard Active PFC
- Air-cooled

ALE Model 402

Air-Cooled Rack Mount Capacitor Charging Power in 4U

- Average Power: 4kJ/sec
  - 4kW in continuous DC applications
- Peak Power: 5kJ/sec
- Output Voltages: 0-1kV to 0-50kV
- 208VAC or 400VAC+N 3ph Input
- Comprehensive Remote Control
- Fully Instrumented (L), Status LEDs (S), or Blank (OEM) Front Panel

ALE Model 802

Air-Cooled Rack Mount Capacitor Charging Power in 5U

- Average Power: 8kJ/sec
  - 8kW in continuous DC applications
- Peak Power: 9kJ/sec
- Output Voltages: 0-1kV to 0-50kV
- 208VAC or 400VAC+N 3ph Input
- Comprehensive Remote Control
- Fully Instrumented (L), Status LEDs (S), or Blank (OEM) Front Panel

ALE LC1202

Compact Water-Cooled Rack Mount Capacitor Charging Power in 5U

- Average Power: 12kJ/sec
  - 15kW in continuous DC applications
- Peak Power: 13.5kJ/sec
- Output Voltages: 0-1kV to 0-30kV
- 208VAC, 400VAC, or 480VAC 3ph Input
- Comprehensive Remote Control
- Fully Instrumented (L), Status LEDs (S), or Blank (OEM) Front Panel

ALE Models 203 and 303

Ultra Compact Water-Cooled Rack Mount Capacitor Charging Power in 7U

- Average Power: 20kJ/sec (203), 30kJ/sec (303)
  - 30kW (203), 50kW (303) in continuous DC applications
- Peak Power: 25kJ/sec (203), 37.5kJ/sec (303)
- Output Voltages: 0-1kV to 0-50kV
- 208VAC (203 only), 400VAC, or 480VAC 3ph Input
- Comprehensive Remote Control
- Fully Instrumented (L) or Status LEDs (S) on Front Panel

Isolated DC-DC DIN Rail Power Supplies

DPX Series

RoHS

40-60W Single, Dual & Triple Output DIN Mount DC-DC Converters

- DIN Rail Mount Version of TDK-Lambda's PX Series
- 1600VDC Input to Output Isolation
- Wide Operating Temperature Range
- Internally Protected
- All In One Package

Non-Isolated DC-DC DIN Rail Power Supplies

NEW

DDA Series

RoHS

250-500W Wide Range Input, Non-isolated DIN Mount DC-DC Converters

- 250W Single Output, 325W and 500W Dual Output Power Levels
- High Efficiency up to 95%
- Wide Input Range, 9 up to 53V
- Wide Output Adjustment 3.3 to 24V
- Narrow 36.5mm Width
- Convection Cooled

NEW

DRM Series

RoHS

20-40A DIN Rail Redundancy Module

- Compact Size
- Low 200mV Voltage Drop
- Current Balance Indicator Option
- Isolated Alarm Signals
- 50% Peak Current Rating

Isolated DC-DC Converters

CC-E Series

RoHS

1.5-25W, Ultra Compact Single and Dual DC-DC Converters

- Compact Footprint / Low Profile
- Through Hole or SMT Versions
- 5V, 12V, 24V & 48V Inputs
- 3.3 to 30V Single, ±12 to ±15V Dual Outputs
- Output Voltage Adjustment
- Input - Output Isolation
- RoHS Compliant
- Self contained
- Multiple Input Voltage configurations
- Lightweight design (no potting)
- Five Year Warranty

CCG15/30 Series

RoHS

15W Single & Dual Output DC-DC Converters

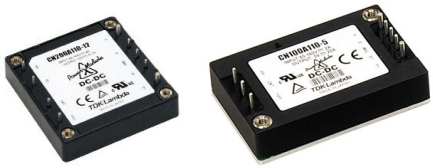
- Industry Standard 1” x 1” Footprint
- Wide Range DC Input 9 - 36 or 18 - 76V
- 3.3 - 30, ±12, ±15VDC Outputs
- High Efficiency - Up to 92%
- Six Sided Shielding
- Adjustable Single Output Voltages
- Remote On-Off
- 5 Year Warranty

CN-A24 Series

RoHS

50 & 100W 14.4 to 36VDC Input DC-DC Converters

- 5-24VDC Outputs
- IEC 61373 Shock and Vibration
- Base-plate Cooled
- Full Power at 100°C base plate
- Small Size
- Quarter Brick Footprint
- Wide input range



CN-A110 Series

RoHS

30-200W, 60 to 160VDC Input DC-DC Converters

- 60 - 160VDC Input
- 5-24VDC Outputs
- IEC 61373 Shock and Vibration
- Base plate Cooled
- Full Power at 100°C base plate
- Parallel Operation (200W Only)
- Small Size
- Quarter and Half Brick Footprint
- Full Power from -40 to +100°C
- Parallel Function (CN200)

HQA Series

RoHS

120W Harsh Environment Quarter Brick Converters

- Standard Quarter Brick Footprint
- 9-40, 18-40VDC Inputs
- 12 to 48V Nominal Outputs
- Up to 91.5% Efficiency
- -55 to 115 °C Operating Baseplate Temperature
- 2250VDC Isolation
- -M Option for -55 °C Operation; Enhanced Screen
- No optocouplers used
- Meets MIL-STD-461; 1275; 704; DO-160 with FQB Filter

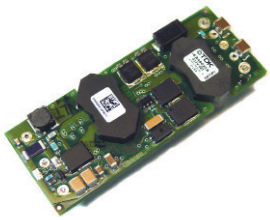
GQA Series

RoHS

120W Industrial Quarter Brick Converters

- Standard Quarter Brick Footprint
- 9-36 or 18-36V Input
- Up to 91.5% Efficiency
- -40 to 105°C Operating Baseplate Temperature
- 1,500VDC Isolation (2,250VDC or 3,000VDC option)
- Remote On/Off, Differential Sense, Output Trim
- Mechanical Options: Flange or Non-Flange baseplate, Enclosed

Isolated DC-DC Converters

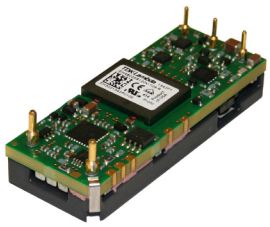


iEA Series

RoHS

48-78W Eighth Brick DC-DC Converters

- Standard Eighth Brick Footprint
- 36-75VDC Input
- 5V 15A - 28V 2.67A Nominal Output
- Through Hole Mounting, open frame design
- Low 8.8mm Profile
- 1500VDC Basic Isolation
- High Operating Efficiency (up to 91%)
- Constant Switching Frequency



iEH Series

RoHS

300W Eight Brick DC-DC Converters

- Standard Eighth Brick Footprint
- 36-75VDC Input
- 12V Nominal Output / 10.8V
- Through Hole Mounting, Baseplate Cooled
- 2250VDC Basic Isolation
- Digital adaptive control
- High Operating Efficiency (up to 94.6%)
- Constant Switching Frequency

iQE Series

RoHS

49-204W Quarter Brick DC-DC Converters

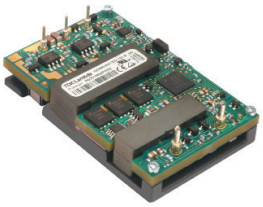
- Standard Quarter Brick Footprint
- 18-36, 18-60, 36-75VDC Inputs
- 3.3V 30A - 15V 10A Nominal Outputs
- Through Hole Mounting
- Low 10.41mm Profile
- 1500VDC Basic Isolation
- High operating efficiency (>90%)
- Constant switching frequency, low component count

iQL Series

RoHS

72-308W Quarter Brick DC-DC Converters

- Standard Quarter Brick Footprint
- 18-36, 36-75VDC Inputs
- 1.2V 60A, 28V 11A Nominal Outputs
- Through Hole Mounting
- 1500VDC Basic Isolation
- Baseplate cooling,
- High operating efficiency (up to 93.5%)
- Constant switching frequency



iQG Series

RoHS

300-504W Quarter Brick DC-DC Converters

- Standard Quarter Brick Footprint
- 36-75VDC Input
- 9.6 or 12VDC Outputs
- Through Hole Mounting
- 1500VDC Basic Isolation
- High operating efficiency (up to 95%)
- Starts with pre-biased output, baseplate cooled
- Constant switching frequency, Parallel Operation (400W model)

Isolated DC-DC Converters

PAF600F Series

RoHS

600W, 24V & 48V Input Full brick DC-DC Converters

- 12V output for driving non-isolated converters
- Safety Approved
- Full power at 100°C baseplate
- Opto Isolated Remote On / Off
- Wide Adjustable Output Range
- Parallel Operation
- ASIC Design

PAH300-450 Series

RoHS

300-450W Half Brick DC-DC Converters

- Standard Half Brick Footprint
- 18-36 or 36-76VDC Inputs
- 12-48VDC Outputs
- Through Hole Mounting
- Low 12.7mm Profile
- High operating efficiencies (up to 92%)
- Constant switching frequency
- Baseplate cooling

PH-A280 Series

RoHS

50-600W, 200 to 425VDC Input DC-DC Converters

- 3.3-48VDC Outputs
- Base-plate Cooled
- Full Power at 100°C base plate
- 50 to 150 W Quarter Brick
- 300W & 600W Half Brick

PXD Series

RoHS

10-30W Single and Dual Output DC-DC Converters

- Industry Standard 2” x 1” Footprint
- Six Sided Shielding
- Agency Approved
- 9V - 75V Inputs
- 3.3 - 15VDC Single, ±5, ±12, ±15VDC Dual Outputs
- UL, CSA, EN, CE approvals
- Wide range input, 9 - 75VDC

PXE Series

RoHS

20-30W Single and Dual Output DC-DC Converters

- Industry Standard 2” x 1.6” Footprint
- Six Sided Shielding
- Agency Approved
- 9V - 75V Inputs
- 3.3 - 15VDC Single, ±5, ±12, ±15VDC Dual Outputs
- UL, CSA, EN, CE approvals
- Wide range input, 9 - 75VDC

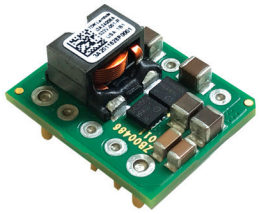
PXF Series

RoHS

40-60W Single, Dual, Triple Output DC-DC Converters

- Industry Standard 2” x 2” Footprint
- Six Sided Shielding
- Agency Approved
- 12, 24V, and 48V Inputs (including 4:1 ranges)
- UL, CSA, EN, CE approvals
- Wide input range, 9 - 75VDC

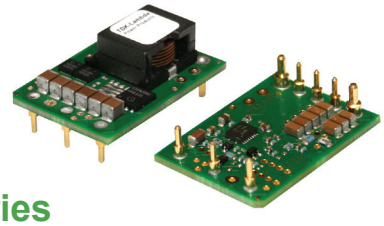
Non-Isolated DC-DC Converters



i3A Series

100W, 9 to 53V Input Non-isolated DC-DC Converters

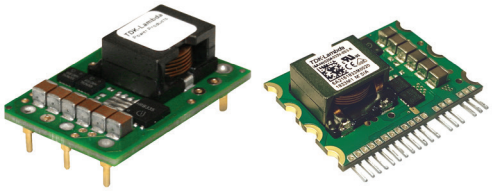
- 100W, 4.5 or 8A Output
- 1/32nd brick Footprint
- Wide Output Adjustment 5 to 30V or 3.3 to 16.5V
- Minimal External Components Needed
- Constant Switching Frequency



i6A Series

250W, 9 to 40V Input Non-isolated DC-DC Converter

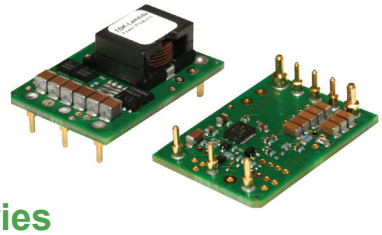
- 250W, 14A Output
- 1/16th brick Footprint
- Wide Output Adjustment 3.3 to 24V
- Minimal External Components Needed
- Constant Switching Frequency



i6A4W Series

250W, 9 to 53V Input Non-isolated DC-DC Converter

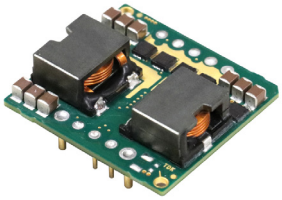
- 250W, 10A or 20A Output
- 1/16th brick Footprint or SIP
- Wide Output Adjustment 3.3 to 40V or 3.3 to 15V
- Minimal External Components Needed
- Constant Switching Frequency



i6AN Series

75W, 9 to 40V Input Non-isolated DC-DC Converter with Negative Output

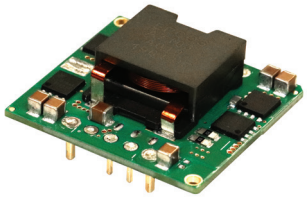
- 75W, 8A Output
- 1/16th brick Footprint
- Wide Output Adjustment -3.3 to -30V
- Minimal External Components Needed
- Constant Switching Frequency



i7A Series

500~700W, 18 to 60V Input Non-isolated DC-DC Converter

- 500~700W, 33 or 45A Output
- Wide 1/16th Brick Footprint
- Wide Output Adjustment 3.3 to 24V or 3.3 to 18V
- Optional Baseplate and Heatsink
- Up to 98% Efficient

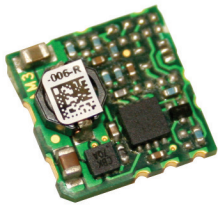


i7C Series

300W, 9 to 53V Input Non-isolated DC-DC

- 300W, 8 or 12.5A Output Converter
- Wide 1/16th brick Footprint
- Step Up and Step Down Functionality
- Wide Output Adjustment 9.6 to 48V or 5 to 28V
- Optional Baseplate and Heatsink

Non-Isolated DC-DC Converters



iCF Series

24.7W (4.5A), 16.5W (3A), Non-isolated SMT Point Of Load

- Surface Mountable
- DOSA Compatible Footprint
- Constant Switching Frequency
- LGA or EPC (Edge Plated Castellation) termination
- No external loop tuning components needed
- Excellent Transient Response

iCG Series

33W, 6A Non-isolated SMT Point Of Load

- Surface Mountable
- DOSA Compatible Footprint
- Constant Switching Frequency
- LGA or EPC (Edge Plated Castellation) termination
- No external loop tuning components needed
- Excellent Transient Response

iBF Series

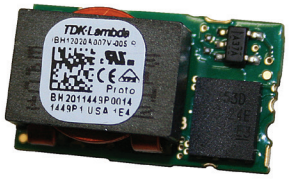
85W, 12A Non-isolated SMT Point of Load

- DOSA Compatible Footprint
- Surface Mountable
- LGA or EPC (Edge Plated Castellation) termination
- No external loop tuning components needed
- Excellent Transient Response

iCH Series

85W, 12A Non-isolated SMT Point of Load

- DOSA Compatible Footprint
- Surface Mountable
- Constant Switching Frequency
- No external loop tuning components needed
- Excellent Transient Response
- Compact Design with Low Component Count



iBH Series

80W, 20A Non-isolated SMT Point of Load

- DOSA Compatible Footprint
- Surface Mountable
- Constant Switching Frequency
- No external loop tuning components needed
- Excellent Transient Response

iAH Series

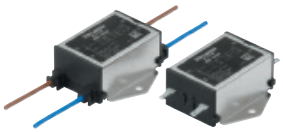
150W, 40A Non-isolated SMT Point of Load

- DOSA Compatible Footprint
- Surface Mountable
- Constant Switching Frequency
- No external loop tuning components needed
- Excellent Transient Response

EMC/EMI Filters

R Series Filter Selection Guide

Filter Series	Rated Input Voltage	Current Rating	Screw Terminations	"Fast on" Terminals	Wire Lead Terminations	Chassis Mount	Din Rail Mount (Models up to 30A)	Low Leakage Current	High Voltage Pulse Attenuation	Two Stage (Better Performance)	Other
RSAL	250V 1ph	0.5 to 6A	-	A Suffix	W Suffix	Y	-	L Suffix	Y	-	-
RSEL	250V 1ph	0.5 to 6A	-	A Suffix	W Suffix	Y	-	L Suffix	-	-	Lower Cost than RSAL
RSAN	250V 1ph	3A to 30A	Y	-	-	Y	D Suffix	L Suffix	Y	-	-
RSMN	250V 1ph	3A to 30A	Y	-	-	Y	D Suffix	L Suffix	Y	Y	-
RSEN	250V 1ph	3A to 30A	Y	-	-	Y	D Suffix	L Suffix	-	-	Lower Cost than RSHN
RSHN	250V 1ph	3A to 30A	Y	-	-	Y	D Suffix	L Suffix	-	Y	-



RSAL Series

RoHS

0.5A to 6A, 250VAC EMI Filters

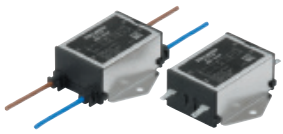
- High Voltage Pulse Attenuation
- Lug or Wire Terminations
- Low Earth Leakage Current Option
- Conforms to UL, CSA and EN Safety Agency Certifications

RSAN Series

RoHS

3A to 30A, 250VAC EMI Filters

- High Voltage Pulse Attenuation
- DIN Rail Mount Option
- Low Earth Leakage Current Option
- Conforms to UL, CSA and EN Safety Agency Certifications



RSEL Series

RoHS

0.5A to 6A, 250VAC EMI Filters

- Lower cost compared to the RSAL Series
- Lug or Wire Terminations
- Low Earth Leakage Current Option
- Conforms to UL, CSA and EN Safety Agency Certifications

RSEN Series

RoHS

3A to 30A, 250VAC EMI Filters

- Lower cost compared to the RSHN Series
- DIN Rail Mount Option
- Low Earth Leakage Current Option
- Conforms to UL, CSA and EN Safety Agency Certifications

RSHN Series

RoHS

3A to 30A, 250VAC EMI Filters

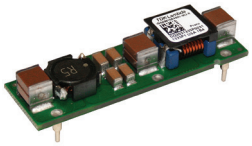
- Two Stage Filter for Better Performance
- DIN Rail Mount Option
- Low Earth Leakage Current Option
- Conforms to UL, CSA and EN Safety Agency Certifications

RSMN Series

RoHS

3A to 30A, 250VAC EMI Filters

- High Voltage Pulse Attenuation
- Two Stage Filter for Better Performance
- DIN Rail Mount Option
- Low Earth Leakage Current Option
- Conforms to UL, CSA and EN Safety Agency Certifications

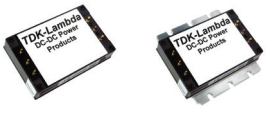


iDQ Series

RoHS

10A, 75VDC EMI Filters

- Exceptional Differential Mode Performance
- Very Compact Size
- Minimal External Components Required



FQA/FQB Series

RoHS

MIL-COTS 20A, 40VDC Active and Passive EMC Filters

- Filtering for Compliance to MIL-STD-461
- Input Spike/Surge Suppression per MIL-STD-1275; MIL-STD-704 & RTCA/DO-160
- High Differential and Common Mode Noise Attenuation
- -55 to 115°C Temperature Range (M-Grade)
- Standard (S-Grade) or Enhanced Screening (M-Grade) Options
- Quarter Brick Size

Value Add Solutions

Capabilities

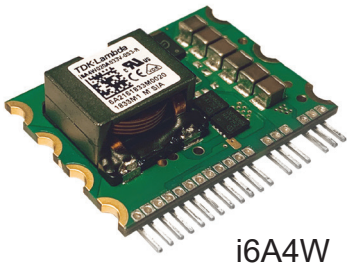
- Modified Standard Power Supply
- Value-Added Solutions
- Power System Design

Features

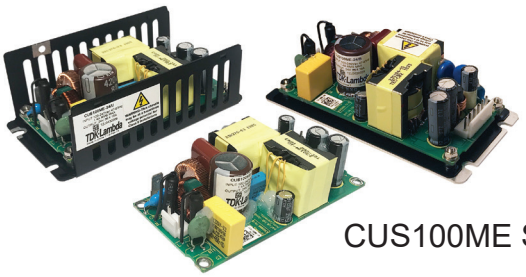
- Low risk, using standard products as building blocks
- Low development cost
- Fast turnaround from design to production
- Proven DVT processes
- Compliance Testing (Safety, EMC, Environment and etc)
- Low cost manufacturing in Asia

Modified Standard

- Modifications (electrical or physical) to a Standard / Existing TDK-Lambda product.
- The product retains the inherent reliability of the product from which it was modified.
- Examples include Input/Output connector, signal, output voltage, color changes, conformal coating, firmware change, reduced leakage current, addition of test points or indicator lights, etc.



i6A4W

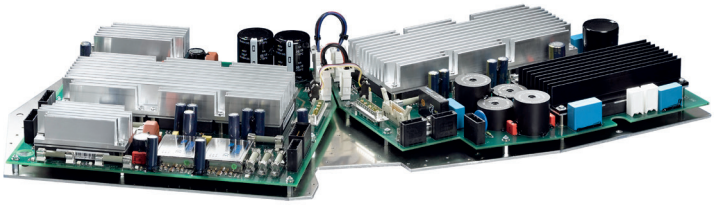


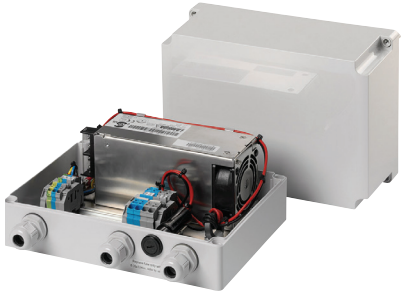
CUS100ME Series

QM4 Series

Value-Added

- A customized power solution adding enhanced circuitry or packaging around a Standard/ Existing TDK-Lambda Power Supply to meet customer's specifications.
- Any TDK-Lambda supply may be used as a starting point and these customized solutions also retain the proven reliability of the product from which it was modified.
- Examples include custom racks or enclosures, communications/control, ruggedization, special wire harnesses, switches, fuses, fans, heat sinks, and other additional functionality to a standard product.





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