TDK In Everything, Better

Healthcare

Medical Power Supplies from TDK-Lambda

Edition 3A

TDK·Lambda

Company Overview

TDK-Lambda is one of the oldest and most trusted manufacturers of high quality medical power supply solutions. We offer a broad product line with over 6,000 models to choose from. Backed by industry-leading warranties, our motivation is our customer's complete satisfaction.

Product Offering and Attributes

- Wide range of products
- Standard and modified power solutions
- AC-DC power supplies + line filters + DC-DC converters
- roducts suitable for B & BF equipment
- Medical approvals as standard
- Long-life products
- Low cost of ownership
- Medical products manufactured in ISO13485 approved factories

Organization

- Founded in 1948; 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 medical power supply solutions
- Preferred supplier for Tier 1 health care companies
- Local inventory / local buffer

Healthcare Sub-Segments

Medical

- Ventilator
- Dialysis Equipment
- Ophthalmology Devices
- Patient Monitoring
- Patient Therapy
- Surgical & Ablation Systems
- Medical Beds
- Surgical Lasers
- Neonatal Care
- Electrocardiographs
- Anesthesia Devices

Life Sciences

- Microbiology
- Electron Microscopes
- Chemical Analysis Equipment
- Lab Process Automation
- Immunoassay Systems
- Mass Analyzers
- In-vitro Diagnostics
- Sterilization
- Clinical Chemistry
- Centrifuges
- PCRs
- Osmometers

Imaging

- X-Ray Machines
- Ultrasound Scanners
- Nuclear Medicine
- Positron Emission Tomography (PET)
- Computed Tomography (CT) Scan
- Magnetic Resonance Imaging (MRI)

Dental

- CAD/CAM Systems
- Oral Care Equipment
- X-Ray Machines
- Gamma Imaging Systems
- Digital Radiography

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AC/DC Power Supplies

Product Series	Description	Output Power (W)	Outputs	Output Voltages (VDC)	Dimensions (Inches)	Protection Class	B / BF Compliant	Cooling
KMS15A	Enclosed - PCB Mount	15	1	5, 9, 12, 15, 24	2.07 x 1.08 x 0.93"	Class II	N/A	Convection
KMS30A	Enclosed - PCB Mount	25 - 30	1	5, 12, 15, 24	2.52 x 1.77 x 0.93"	Class II	N/A	Convection
KMS60A	Enclosed - PCB Mount	51 - 60	1	5.1, 9, 12, 15, 24	3.5 x 2.5 x 1.06"	Class II	N/A	Convection
CUT35	Open-frame	35	2, 3	5, ±12, ±15, 24, 30	2 x 4 x 1.1"	Class I	B	Convection
CUS30M	Open-frame	30	1	12, 24, 48	2 x 3 x 0.95"	Class I, Class II	BF	Convection
CUS60M	Open-frame	60	1	5, 12, 15, 18, 24, 48	2 x 3 x 1.05"	Class I, Class II	BF	Convection
CUT75	Open-frame,enclosed	75	2,3	5,±12,±15, 24,30	3 x 5 x 1.06"	Class I	B	Convection
GXE600	U-frame, Enclosed	600	1	24, 48	5 x 10 x 1.61"	Class I	No	Convection
HWS/ME	U-frame, Enclosed (end fan)	30 - 1500	1	3.3, 5, 6, 7.5, 12, 15, 24, 36, 48, 60	4.98 x 11.02 x 3.32"	Class I	No	Convection / Forced air
CUS100ME	Open-frame	100	1	12, 15, 18, 24, 28, 36, 48	2 x 4 x 1.24"	Class I, Class II	B/BF	Convection / 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	BF	Convection / Forced air
CUS200M	Open-frame	200 - 250	1	12, 18, 24, 36, 48	3 x 5 x 1.34"	Class I	BF	Convection / Forced air
CUS250M	Open-frame	200 - 250	1	12, 15, 18, 24, 28, 36, 48	2 x 4 x 1.56"	Class I, Class II	B/BF	Convection / Forced air
CUS350M	U-Channel	350 - 420	1	12, 18, 24, 36, 48	7.5 x 3.4 x 1.6"	Class I	BF	Convection / Forced air
CUS350MP	Open-frame	350 - 500 (1,000 peak)	1	24, 30, 36, 48	3.46 x 7.2 x 1.73"	Class I	B/BF	Convection / Forced air
CUS400M	Open-frame	400	1	12, 15, 19, 24, 28, 36, 48	3 x 5 x 1.55"	Class I, Class II	B/BF	Convection / Forced air
CUS500M1	Open-frame	300 - 500	1	12, 19, 24, 28, 32, 36, 48	3 x 5 x 1.46"	Class I, Class II	B/BF	Convection / Forced air
CUS600M	Open-frame	600	1	12,19, 24, 28, 32, 36, 48	3 x 5 x 1.46"	Class I, Class II	B/BF	Convection / Forced air
CUS800M & 1000M	Enclosed - End Fan	680 - 1000	1	12, 24, 36, 48	3.3 x 6.7 x 1.67"	Class I	B/BF	Forced Air
CUS1500M	Enclosed - End fan	1500	1	12, 15, 24, 36, 48	10.28 x 5 x 2.48"	Class I	BF	Forced air
CUS1600M & 2000M	Enclosed - End fan	1200 - 2000	1	12, 24, 36, 48	8 x 4.5 x 1.67"	Class I	BF	Forced Air
NV175	Open-frame (configurable)	175 - 180	1 - 5	1.8, 2.7, ±3.3, ±5, ±12, ±15, ±24	3 x 5 x 1.25"	Class I	B	Forced air
NVM175	Open-frame (configurable)	180	1	12, 24	3 x 5 x 1.25"	Class I	BF	Forced air
NV175-M	Open-frame (configurable)	180	1 - 3	±3.3, ±5, ±12, ±15, ±24	3 x 5 x 1.25"	Class I	B	Forced air
EFE300M	Open-frame	300	1	12, 24, 28, 48, 50	3 x 6 x 1.34"	Class I	B	Forced air
NV350	Enclosed - End fan (configurable)	350 - 660	1 - 6	3.3 - 64	10.8 x 3.75 x 1.6"	Class I	B	Forced air
EFE400M	Open-frame	400	1	12, 24, 48	3.5 x 6.5" x 1.34"	Class I	B	Forced air
XMS500A	Open-frame	500	1	12, 24, 36, 48	4 x 7.1 x 1.46"	Class I Class II	B/BF	Forced air
Vega	Enclosed - End fan (configurable)	450 - 900	1 - 10	0.5 - 62	10.6 x 5 x 2.5"	Class I	B	Forced air
NV700	Enclosed - End fan (configurable)	700 - 1150	1 - 8	3.2 - 64	10.8 x 4.92 x 1.6"	Class I	B	Forced air
RWS1000B/ME	Enclosed - End fan	1000	1	12, 15, 24, 36, 48	7.8 x 5 x 2.48"	Class I	BF	Forced air
QM4	Enclosed - End fan (configurable)	550 - 650	1 - 10	2.8 - 105.6	10.6 x 4.3 x 2.5"	Class I	BF	Forced air
QM5	Enclosed - End fan (configurable)	700 - 1200	1 - 12	2.8 - 105.6	10.6 x 5 x 2.5"	Class I	BF	Forced air
QM7	Enclosed - End fan (configurable)	1200 - 1500	1 - 16	2.8 - 105.6	10.6 x 6.9 x 2.5"	Class I	BF	Forced air
QM8	Enclosed - End fan (configurable)	1200 - 1500	1 - 18	2.8 - 105.6	10.6 x 7.9 x 2.5"	Class I	BF	Forced air
QM8B	Enclosed - End fan (configurable)	1200 - 2000	1 - 18	2.8 - 105.6	10.6 x 7.9 x 2.5"	Class I	BF	Forced air
MU4	Enclosed - End fan (configurable)	600 - 800	1 - 9	3.3 - 105.6V	3.5 x 10 x 1.6"	Class I	BF	Forced air
MU6	Enclosed - End fan (configurable)	1200 - 1500	1 - 13	3.3 - 105.6V	5 x 10 x 1.6"	Class I	BF	Forced air
QS	Enclosed - End fan	600 - 1200	1	12, 24, 48	6.92 x 10.63 x 2.50"	Class I	BF	Forced air
RWS1500B/ME	Enclosed - End fan	1500	1	12, 15, 24, 36, 48	10.28 x 5 x 2.48"	Class I	BF	Forced air

External / Desktop Power Supplies

Product Series	Description	Output Power (W)	Outputs	Output Voltages (VDC)	Dimensions (Inches)	Protection Class	B / BF Compliant	Cooling
DTM36-C8	External adapter	25 -36W	1	5, 9, 12, 13.5, 15, 18, 24, 36, 48	2.36 x 4.17 x 1.22"	Class II	NA	Convection
DTM65-C8	External adapter	40-65	1	5, 12, 15, 19, 24, 28, 48	2.36 x 4.17 x 1.22"	Class II	NA	Convection
DTM65-D	External adapter	40-65	1	5, 12, 15, 18, 24, 36, 48	2.72 x 5.20 x 1.57"	Class I	BF	Convection
DTM70	External adapter	70	1	12, 15, 18, 24, 36, 48V	2.05 x 4.72 x 1.22"	Class I, Class II	B/BF	Convection
DTM110-C8	External adapter	105-110	1	12, 15, 19, 24, 28, 36, 48	2.48 x 5.50 x 1.29"	Class II	NA	Convection
DTM160	External adapter	150 - 160	1	12, 24, 36, 48	2.76 x 5.91 x 1.50"	Class I, Class II	B/BF	Convection
DTM165-C	External adapter	160-165	1	12, 15, 19, 24, 28, 36, 48	3.35 x 6.70 x 1.73"	Class I	B	Convection
DTM250-D	External adapter	250	1	12, 19, 24, 28, 36, 48, 54	3.54 x 7.87 x 1.77"	Class I	BF	Convection
DTM300-D	External adapter	300	1	12, 19, 24, 28, 48, 54	4.40 x 8.75 x 1.77"	Class I / Class II	BF	Convection
WMM30	Wall Mount	25 - 30W	1	5, 9, 12, 15, 18, 24	2.28 x 3.80 x 1.70"	Class II	B/BF	Convection

DC/DC Power Supplies

Product Series	Description	Output Power (W)	Outputs	Output Voltages (VDC)	Dimensions (Inches)	Protection Class	B / BF Compliant	Cooling
PXC-M03 (S)	Enclosed - PCB Mount	3	1	3.3, 5, 12, 15, 24	1.25 x 0.8 x 0.4"	-	-	Convection
PXC-M03 (D)	Enclosed - PCB Mount	3	2	±5, ±12, ±15	1.25 x 0.8 x 0.4"	-	-	Convection
PXC-M06 (S)	Enclosed - PCB Mount	6	1	3.3, 5, 12, 15, 24	1.25 x 0.8 x 0.4"	-	-	Convection
PXC-M06 (D)	Enclosed - PCB Mount	6	2	±5, ±12, ±15	1.25 x 0.8 x 0.4"	-	-	Convection
PXC-M10 (S)	Enclosed - PCB Mount	10	1	3.3, 5, 12, 15, 24	1.25 x 0.8 x 0.4"	-	-	Convection
PXC-M10 (D)	Enclosed - PCB Mount	10	2	±5, ±12, ±15	1.25 x 0.8 x 0.4"	-	-	Convection
PXG-M15 (S)	Enclosed - PCB Mount	15	1	5, 12, 15, 24	1.6 x 1 x 0.4"	-	-	Convection
PXG-M15 (D)	Enclosed - PCB Mount	15	2	±5, ±12, ±15	1.6 x 1 x 0.4"	-	-	Convection
PXG-M20 (S)	Enclosed - PCB Mount	20	1	5, 12, 15, 24	1.6 x 1 x 0.4"	-	-	Convection
PXG-M20 (D)	Enclosed - PCB Mount	20	2	±5, ±12, ±15	1.6 x 1 x 0.4"	-	-	Convection
PXD-M30 (S)	Enclosed - PCB Mount	30	1	5, 12, 15, 24	2 x 1 x 0.4"	-	-	Convection
PXD-M30 (D)	Enclosed - PCB Mount	30	2	±5, ±12, ±15	2 x 1 x 0.4"	-	-	Convection

EMI Filters

Product Series	Description	Input (VAC)	Rated Current (A)	Max Leakage current (µA) @250VAC, 60 Hz	Cooling
RPA/RPE	Inlet	250	3-10	10	Convection
RPE-F	Inlet	250	3-6	10	Convection
RSAL-20	Chassis Mount	250	0.5-6	10	Convection
RSEL-20	Chassis Mount	250	0.5-6	10	Convection
RSAN-20	Chassis Mount, Din rail optional	250	3-30	10	Convection
RSEN-20	Chassis Mount, Din rail optional	250	3-30	10	Convection
RSHN-20	Chassis Mount, Din rail optional	250	3-30	100	Convection
RSMN-20	Chassis Mount, Din rail optional	250	3-30	10	Convection

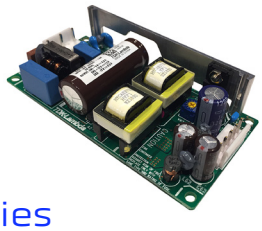
*Low Earth Leakage Options

AC–DC Power Supplies

KMS–A Series

Full Datasheet
https://product.tdk.com/en/power/kms-a

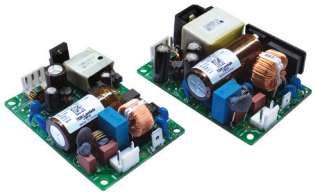
15-60W Medical AC-DC PCB-Mount Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- Class II (No ground needed)
- Wide Temperature Range (-40 to +80oC)
- Low Off-load Power Draw
- Smaller Size than KMS
- High Efficiency



CUT35 Series

Full Datasheet
https://product.tdk.com/en/power/cut

35W Medical 2” x 4” AC-DC Power Supplies
- 2 x MOPP Primary - Secondary
- 3kVAC Input - Output Isolation
- 2 or 3 Outputs
- Output 1 Isolated from other Outputs
- 1.06” Low profile, Industry Standard Footprint
- Global Safety Agency Compliance



CUS30M / CUS60M Series

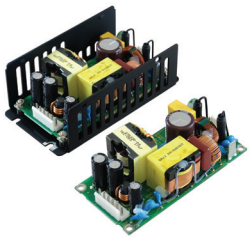
Full Datasheet
https://product.tdk.com/en/power/cus30_60m

30-60W Medical 2” x 3” AC-DC Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- Suitable for BF Rated Equipment
- Class I and Class II Operation
- High Efficiency

CUT75 Series

Full Datasheet
https://product.tdk.com/en/power/cut

75W Medical 3” x 5” AC-DC Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- 75W Convection open frame or enclosed
- Operation up to 85C with customer airflow
- Class B Conducted & Radiated EMI (with significant margins)
- Suitable for Class I & Class II Installations
- Suitable for B & BF Rated Equipment
- Compact 2 x 4 x 1.56” Footprint
- Less than 0.5W No Load Consumption



CUS100ME Series

Full Datasheet
https://product.tdk.com/en/power/cus-m

100W Medical 2” x 4” AC-DC Power Supplies
- Up to 100W Utilizing Convection or Conduction Cooling
- Operation in Ambient Temperatures of up to 85°C
- Medical Certifications (2 x MOPP)
- Suitable for B and BF Type Medical Equipment
- Class B Conducted and Radiated EMI
- Suitable for Class I and Class II Installations
- Enclosure & Cooling Options

CUS150M Series

Full Datasheet
https://product.tdk.com/en/power/cus-m

150W Medical 2” x 4” AC-DC Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- 150W Forced air, 120W Convection open frame, 150W Convection U-chassis
- Operation up to 85C with customer airflow
- Class B Conducted and Radiated EMI
- Long Capacitor Lifetimes
- Suitable for Class I and Class II Installations
- Compact 2 x 4 x 1.24” Footprint
- Suitable for BF Rated Equipment

AC–DC Power Supplies

CUS200M Series

Full Datasheet
https://product.tdk.com/en/power/cus-m

200 to 250W Medical 3” x 5” Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- High Efficiency, up to 94%
- 200W Convection Cooled Rating
- Suitable for BF Rated Equipment
- 5V Standby Output

CUS250M Series

Full Datasheet
https://product.tdk.com/en/power/cus-m

250W Medical 2” x 4” AC-DC Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- 250W Forced air, 200W Convection open frame, 250W Convection U-chassis
- Operation up to 85C with customer airflow
- Class B Conducted & Radiated EMI (with significant margins)
- Suitable for Class I & Class II Installations
- Suitable for B & BF Rated Equipment
- Compact 2 x 4 x 1.56” Footprint
- Less than 0.5W No Load Consumption

CUS350M Series

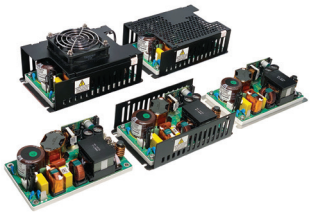
Full Datasheet
https://product.tdk.com/en/power/cus-m

350W/420W Medical Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- High Efficiency, up to 94%
- 1.6” High
- 350W Convection Cooled, 420W Forced Air Rating
- Suitable for BF Rated Equipment
- 5V Standby & 12V Fan Output

CUS350MP Series

Full Datasheet
https://product.tdk.com/en/power/cus350mp

350/500W Medical (1,000W Peak) Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- 350W Convection, 500W Forced Air Rating (1,000W Peak Power)
- IEC62477-1 Compliant (OVCIII)
- Class B Conducted & Radiated EMI
- 5V/0.3A Standby & Remote On/Off (Standard)
- High Efficiency, up to 94%
- Suitable For B and BF Rated Equipment



CUS400M Series

Full Datasheet
https://product.tdk.com/en/power/cus-m

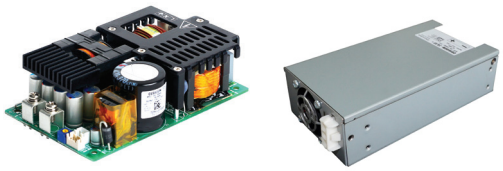
400W Medical 3” x 5” AC-DC Power Supplies
- 400W with Forced Air, 250W (400W peak) Convection / Conduction Cooled
- Medical Certifications (2 x MOPP)
- Suitable for B and BF Type Medical Equipment
- Class B Conducted and Radiated EMI
- Suitable for Class I and Class II Installations
- Compact 3 x 5 x 1.55” Size
- Enclosure & Signal Options

CUS500M1 Series

Full Datasheet
https://product.tdk.com/en/power/cus-m

3” x 5” Medical AC-DC Power Supplies
- 500W with Forced Air, 300W (500W peak) Convection
- Medical Certifications (2 x MOPP)
- Suitable for B and BF Type Medical Equipment
- Class B Conducted and Radiated EMI
- Suitable for Class I and Class II Installations
- Compact 3 x 5 x 1.46” Footprint
- Up to 96% Efficiency

AC–DC Power Supplies



CUS600M Series

Full Datasheet
https://product.tdk.com/en/power/cus-m

600W 3” x 5” AC-DC Medical Power Supplies
- 600W with Forced Air, 400W (600W Peak) Convection Cooled
- Medical Certifications (2 x MOPP)
- Suitable for B and BF Type Medical Equipment
- Class B Conducted and Radiated EMI
- Suitable for Class I and Class II Installations
- Compact 3 x 5 x 1.46” Size
- Enclosure & Other Options
- More cost effective CUS600M1 model available (No signals)

NEW

CUS800M / CUS1,000M Series

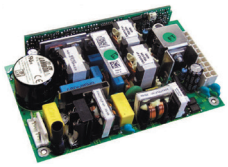
Full Datasheet
https://product.tdk.com/en/power/cus-m

3.3” x 6.7” 680W to 1,000W AC-DC Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- <0.250mA Leakage Current
- Compact 3.3 x 6.7 x 1.67” Size
- Suitable for B and BF Rated Equipment
- Efficiencies Up To 95.5%
- Cost Effective

CUS1500M Series

Full Datasheet
https://product.tdk.com/en/power/cus-m

1500W Medical Single Output Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- Low Audible Noise (<45dBA)
- Compact Size
- Suitable for BF Rated Equipment
- 7 Year Warranty



NVM175 Series

Full Datasheet
https://product.tdk.com/en/power/nv

180W Medical 3” x 5” Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- Suitable for BF Rated Equipment
- 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

NV175 / NV175–M Series

Full Datasheet
https://product.tdk.com/en/power/nv

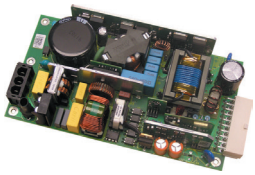
175-200W Medical 3” x 5” Power Supplies
- Universal Input (90 - 264VAC)
- Active Power Factor Correction
- No Minimum Loads
- Up to 90% Efficient
- 1-3 Outputs (NV175-M) ; 1-5 Outputs (NV175)
- 2 x MOPP Primary - Secondary (NV175-M)
- 1 x MOOP Primary - Secondary (NV175)
- 4kVAC Input - Output Isolation (NV175-M)
- 3kVAC Input - Output Isolation (NV175)

NV350 / 700 Series

Full Datasheet
https://product.tdk.com/en/power/nv

350W-1150W Medical Modular Power Supplies
- 2 x MOPP Primary - Secondary (C, CC, CM modules only)
- 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



EFE300M / 400M Series

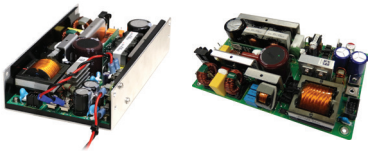
Full Datasheet
https://product.tdk.com/en/power/efe

300-400W Medical Power Supplies
- 2 x MOPP Primary - Secondary
- 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

Vega Series

Full Datasheet
https://product.tdk.com/en/power/vega

450-900W Medical, Multiple Output Modular Power Supplies
- 2 x MOPP Primary - Secondary
- 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
- Medical Approval Options
- MIL-STD-810 Shock and Vibration
- PFC Compliant to EN61000-3-2
- Safety Agency Approvals EN, cULus, BSI, CE



XMS500/XMS500A Series

Full Datasheet
https://product.tdk.com/en/power/xms

500W Medical, Configurable, Class I or Class II AC-DC Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- High Efficiency up to 92%
- Suitable for BF Rated Equipment
- Class I / II with Level B EMC
- 1U Form Factor
- Low Airflow Requirement
- 5 Year Warranty

XMS500A Additional Features:
- Full Power at 85Vac Input
- ATX Power Good Signal
- Extended Hold Up Time to 20ms
- Improved 12ms AC Fail Signal Warning Time
- Remote On/Off Signals current reduced to 1mA maximum

QM4/QM5/QM7/QM8 Series

Full Datasheet QM4
Full Datasheet QM5
https://product.tdk.com/en/power/qm

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
- 7 Year Warranty
- Suitable for BF Rated Equipment
- PMBusTM Communication

NEW

MU Series

Full Datasheet
https://product.tdk.com/en/power/mu

600 to 1500W 1U Modular Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- 1U Height
- Extremely Low Audible Noise
- Up to 13 Outputs
- Intelligent Fan Control, Patent Pending
- Suitable for BF Rated Equipment
- PMBus™ Communication
- Seamless 3.3V - 105.6V adjustment range
- 7 Year Warranty

GXE600 Series

Full Datasheet
https://product.tdk.com/en/power/gxe

Single Output 600W Programmable (CV/CC) Medical & ITE Series
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- High Efficiency Up to 95%
- Convection Cooled
- Digital Modbus Programming (RTU/RS-485), CV & CC modes
- Intelligent E-Cap Monitoring to Forecast Remaining Capacitor Lifetime
- 5V/1A Standby
- Ruggedization (with PCB coating), U Channel, & Cover Options

AC–DC Power Supplies

QS Series

Full Datasheet
https://product.tdk.com/en/power/qs

600 to 1200W Medical Single Output Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- High Efficiency
- Low Speed, Low Audible Noise Fans
- 7 Year Warranty
- Suitable for BF Rated Equipment
- Single Fuse & Dual Auxiliary Output Options Available
- PMBus™ Communication

HWS–/ME Series

Full Datasheet
https://product.tdk.com/en/power/hws-me

30 to 1500W Medical Single Output Power Supplies
- IEC/EN/UL 60601-1 Safety Certification
- Limited Lifetime Warranty*
- High Efficiency
- Broad 30 to 1500W Product Range

RWS–1000/1500–B/ME Series

Full Datasheet
https://product.tdk.com/en/power/rws-b

1000-1500W Medical Single Output Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- Cost Effective
- 7 Year Warranty
- Suitable for BF Rated Equipment

CUS1600M / CUS2000M Series

*** Coming Soon**

1200W to 2000W Medical Single Output Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- Low Audible Noise (<45dBA)
- Very Compact Sizes
- Suitable for BF Rated Equipment
- 7 Year Warranty

*Please reference the following Terms And Conditions:
https://www.us.lambda.tdk.com/pdf/terms_conditions.pdf

AC–DC Power Supplies

Full Datasheet
https://product.tdk.com/en/power/dtm

DTM36–C8 Series

25 to 36W Medical Class II External AC-DC Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- Meets DoE Level VI and EU Tier 2 Efficiency
- 60601-1 & 60601-1-11 Medical Certifications
- Designed to Meet IEC60335-1 (Household Appliances)
- Class II Input
- < 75mW Off-load Power Draw

Full Datasheet
https://product.tdk.com/en/power/dtm

DTM65–D Series

40-65W Medical AC-DC External Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- Meets DOE Level VI Efficiency
- CEC, EISA(1) & ErP Stage 2 Compliant
- Wide Range AC Input
- 85% Efficient, >87% Average (12V Models & Above)
- Suitable for BF Rated Equipment

Full Datasheet
https://product.tdk.com/en/power/dtm

DTM65–C8 Series

40W to 65W Medical Class II AC-DC External Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- Meets DOE Level VI Efficiency
- 60601-1 & 60601-1-11 Medical Certifications
- Class II Input
- < 0.21W Off-load Power Draw

Full Datasheet
https://product.tdk.com/en/power/dtm

DTM70 / DTM70–C8 Series

70W Medical & ICT Class I and II External AC-DC Power Supplies
- 2 x MOPP Primary - Secondary
- 4.4kVAC Input - Output Isolation
- Meets DOE Level VI Efficiency
- Average Efficiency Up To 93%
- IEC60601-1, IEC60601-1-11 (Class II) & IEC62368-1 Compliant
- IEC60601-1-2 (Ed4) Immunity
- Class I or Class II (C8) Input Options
- <0.15W Off-load Power Draw
- Suitable For B & BF Rated Equipment

Full Datasheet
https://product.tdk.com/en/power/dtm

DTM110–C8 Series

90-110W Medical AC-DC External Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- CEC, EISA & ErP Stage 2 Compliant
- Wide Range AC Input
- > 87% Average Efficiency

Full Datasheet
https://product.tdk.com/en/power/dtm

DTM160 / DTM160–C8 Series

150-160W Medical & ICT Class I and II External AC-DC Power Supplies
- 2 x MOPP Primary - Secondary
- 4.4kVAC Input - Output Isolation
- Meets DOE Level VI Efficiency
- Average Efficiency Up To 93%
- IEC60601-1, IEC60601-1-11 (Class II) & IEC62368-1 Compliant
- IEC60601-1-2 (Ed4) Immunity
- Class I or Class II (C8) Input Options
- <0.15W Off-load Power Draw
- Suitable For B & BF Rated Equipment

External / Desktop Power Supplies

Full Datasheet
https://product.tdk.com/en/power/dtm

DTM165-C Series

160W to 165W Medical AC-DC External Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- CEC, ErP and EISA(1) Level V Compliant Models
- Wide Range AC Input
- > 87% Average Efficiency

Full Datasheet
https://product.tdk.com/en/power/dtm

DTM250-D Series

250W Medical AC-DC External Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- Meets DOE Level VI Efficiency
- < 0.15W Off -load Power Draw
- Meets IEC60601-1-2 Ed4; 2014
- Suitable for BF Rated Equipment

Full Datasheet
https://product.tdk.com/en/power/dtm

DTM300-D Series

300W Medical Class I and II External Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- Meets DOE Level VI Efficiency

u Class I & II Inputs
- < 0.5W Off-load Power Draw
- Meets IEC60601-1-2 Ed4; 2014
- Suitable for BF Rated Equipment

Full Datasheet
https://product.tdk.com/en/power/wmm

WMM30 Series

25 to 30W Medical Wall Mount Power Supplies
- 2 x MOPP Primary - Secondary
- 4kVAC Input - Output Isolation
- Class II Input
- Meets DoE Level VI and EU Tier 2 Efficiency
- < 0.075W Off-load Power Draw
- Suitable for B and BF Rated Equipment

DC–DC Isolated Converters

Full Datasheet
https://product.tdk.com/en/power/pxc-m

PXC–M03 Series

3W Medical DC-DC Converters
- 2 x MOPP Primary - Secondary
- 5kVAC Input - Output Isolation
- Industry Standard DIP-24 Package
- 9-36V or 18-75VDC Input
- 2.5uA Touch Current
- Low Off-Load Power Draw

Full Datasheet
https://product.tdk.com/en/power/pxc-m

PXC–M06 Series

6W Medical DC-DC Converters
- 2 x MOPP Primary - Secondary
- 5kVAC Input - Output Isolation
- Industry Standard DIP-24 Package
- 9-36V or 18-75VDC Input
- 2.5uA Touch Current
- Low Off-Load Power Draw

Full Datasheet
https://product.tdk.com/en/power/pxc-m

PXC–M10 Series

10W Medical DC-DC Converters
- 2 x MOPP Primary - Secondary
- 5kVAC Input - Output Isolation
- Industry Standard DIP-24 Package
- 9-36V or 18-75VDC Input
- 2.5uA Touch Current
- Low Off-Load Power Draw

Full Datasheet
https://product.tdk.com/en/power/pxg-m

PXG–M15/20 Series

15-20W Medical DC-DC Converters
- Wide 4:1 Input Range
- 1.6” x 1” Industry Package
- IEC 60601-1 and IEC 62368-1
- 2 x MOPP Primary - Secondary
- Low No Load Power Consumption
- 2.5uA Touch Current

Full Datasheet
https://product.tdk.com/en/power/pxd-m

PXD–M30 Series

30W Medical DC-DC Converters
- Wide 4:1 Input Range
- 2” x 1” Industry Package
- IEC 60601-1 and IEC 62368-1
- 2 x MOPP Primary - Secondary
- Low No Load Power Consumption
- 2.5uA Touch Current

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
RPA/RPE	250V 1ph	3 to 10A	-	Y	-	Y	-	L Suffix	Y	-	Inlet
RPE-F	250V 1ph	3 to 6A	-	Y	-	Y	-	L Suffix	-	-	Inlet
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	-

Full Datasheet
https://product.tdk.com/en/power/filters

RSAL Series

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

Full Datasheet
https://product.tdk.com/en/power/filters

RSEL Series

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

Full Datasheet
https://product.tdk.com/en/power/filters

RSAN Series

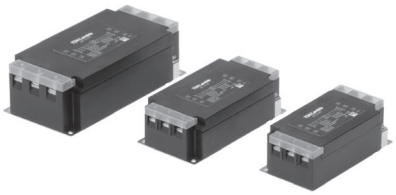
3A to 30A, 250VAC EMI Filters
- High Voltage Pulse Attenuation
- DIN Rail Mount Option
- Low Earth Leakage Current Option
- Conforms to UL, CSA and EN Safety Agency Certifications

Full Datasheet
https://product.tdk.com/en/power/filters

RSEN Series

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

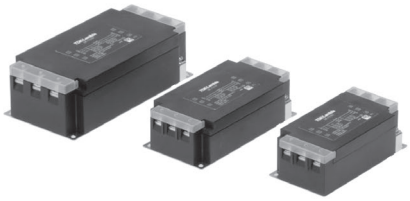
EMI Filters



Full Datasheet
https://product.tdk.com/en/power/filters

RSHN Series

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



Full Datasheet
https://product.tdk.com/en/power/filters

RSMN Series

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

Full Datasheet
https://product.tdk.com/en/power/filters

RPA/RPE Series

Single phase 250Vac 3 to 10A Power Entry Module EMI Filters
- RPA 3 to 6A / RPE 3 to 10A Current Ratings
- Panel Mount with IEC320 Inlet
- Low Earth Leakage and/or Discharge Resistor Options
- Amorphous Core Technology - RPA Only
- Safety Certified

Full Datasheet
https://product.tdk.com/en/power/filters

RPE–F Series

Single phase 250Vac 3 to 6A Power Entry Module EMI Filters
- 3 to 6A Current Ratings
- Panel Mount with IEC320 Inlet
- Single Fuse and Dual Fuses Options
- Low Earth Leakage and/or Discharge Resistor Options
- Amorphous Core Technology
- Safety Certified

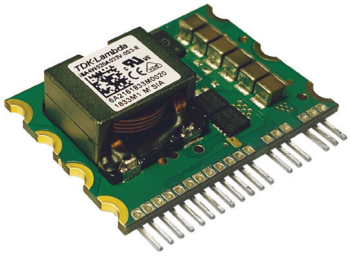
Power+ Solutions

Capabilities

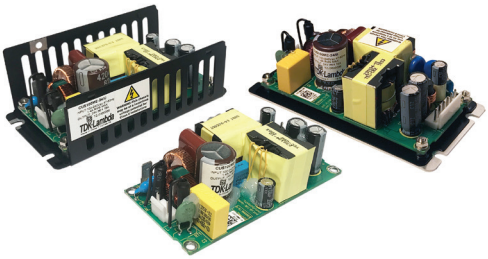
- Modified Standard Power Supply
- Value-Added Solutions
- Power System Design

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, etc.)
- Low cost manufacturing in Asia



i6A4W Series



CUS100ME Series

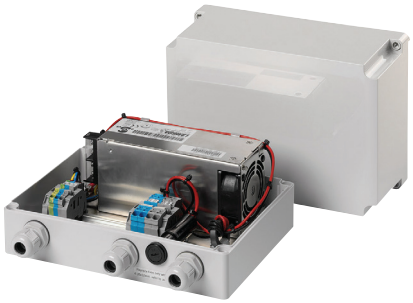
QM4 Series

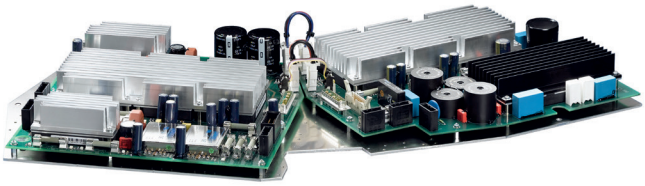
Modified Standard

- Modifications (electrical or mechanical) 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.

Power+ Solutions

- 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.



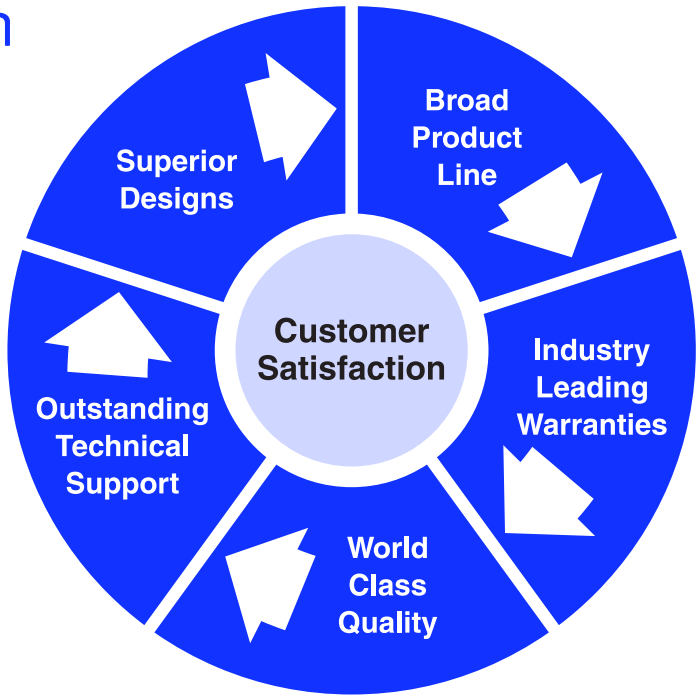


Powering Critical Applications!

Customer Satisfaction

Our value is optimized as we become an intrinsic part of our customers' total power solution, from extensive design-in support, production volume through scale and cost reduction, to end of life strategies. Our role enables our customers to achieve a clear competitive advantage.

Our motivation is our customers' complete satisfaction.



We're Here to Help!

Want Engineering Support?

- Please call 1-800-LAMBDA-4 (1-800-526-2324) to speak to our inside technical support team, or email tla.powersolutions@tdk.com
- TDK-Lambda's Field Application Engineers are available for in-depth advice at your facility. Please contact your local TDK-Lambda salesperson to schedule a visit.

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