TDK In Everything, Better

AC–DC Configurable

Power Solutions

Edition 2A

TDK·Lambda

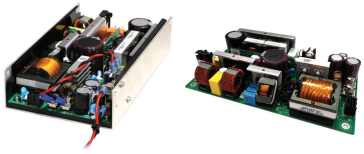
AC/DC Power Supplies



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)

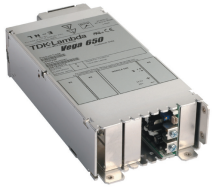


XMS500 / XMS500A Series

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



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



QM4 / QM5 / QM7 / QM8 Series

Full Datasheet QM4
Full Datasheet QM5
Full Datasheet QM7
Full Datasheet QM8
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



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

AC/DC

Product Series	Description	Output Power (W)	Outputs	Output Voltages (VDC)	Dimensions (Inches)	Protection Class	B / BF Compliant	Cooling
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
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
XMS500 / 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
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 - 5	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 - 1,200	1 - 13	12, 24, 48	6.92 x 10.63 x 2.50"	Class I	BF	Forced air

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.

TDK In Everything, Better

Our team of experts will be happy to help you find the best power supply for your application.



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