



New Power

Power Supply Highlights

Discover our newest Highlights

Here we would like to present our newest power supply solutions designed for a wide spectrum of industrial and medical applications. We offer innovative and reliable AC-DC power supplies, DC-DC converters, programmable power supplies and EMI/EMC Filters. Like all TDK-Lambda power supplies these models meet the highest criteria for quality and reliability.

AC-DC

[DBM20 Series](#) – 24Vdc 20A DIN Rail Mount Buffer Module

[CUS400M](#) – 3 x 5" 400W Medical AC-DC Power Supplies

[CUS600M](#) – 3 x 5" 600W Medical AC-DC Power Supplies

[TPS4000](#) – 4080W 3-Phase Input Industrial Power Supplies

[WMM30](#) – 25 to 30W Medical Wall Mount Power Supplies

[DTM36-C8](#) – 25 to 36W Medical AC-DC External Power Supplies

[KPSB6 + KPSB25](#) – 5 to 25W AC-DC Board Mount Power Supplies

[GENESYS™](#) – 1kW and 1.5kW 1U Half Rack Mount power Supplies

DC-DC

[i7A](#) – 750W, 18 to 60V Input non-isolated Step Down DC-DC Converter

[PXD-M 30](#) – 30W Medical and Industrial DC-DC Converters

[PXG-M 15/20](#) – 15 to 20W Medical and industrial DC-DC Converter

[i7C](#) – 300W, 9-53V Input, Buck-Boost non-isolated DC-DC Converters

[DDA](#) – 250 to 500W Wide range, non-isolated DC-DC Converters

[PH600A280-24](#) – 600W High Density Power Modules

[EZA](#) – 11,000W Bi-Directional DC-DC Converter

NEW RANGE

DBM20 – Series

24Vdc 20A DIN Rail Mount Buffer Module



The DBM module is ideal for providing short term hold-up or peak power for loads connected to a 24Vdc output AC-DC power supply. It can supply an additional 250ms hold-up at 448W output power.

Features	Benefits
Provides 250ms additional hold-up time at 448W	Avoids data loss during AC power dips
Utilizes electrolytic capacitors to store energy	No batteries to service or maintain
Narrow 49mm width	Increases available space on the DIN rail
Parallel capable	Hold-up time can be easily extended
Output remote on/off function	Avoids unsafe discharge of stored energy

Model	Input voltage range Vin	Output voltage	Average buffer power	Maximum current
DBM20	23 – 30Vdc	22,4Vdc or Vin-1Vdc	448W	20A

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NEW MODEL

CUS400M

3 x 5" 400W Medical AC-DC Power Supplies



Warranty
5 years

Medical

Features	Benefits
250W convection / conduction cooled with 400W peak for extended time periods	Quiet operation
400W with forced air	Can utilise system airflow or integrated fan
Medical certifications (2 x MOPP)	Suitable for B and BF type medical equipment
Class B conducted and radiated EMI	Easier system EMC compliance
Suitable for Class I and Class II installations	Flexible utilisation
Compact 3 x 5 x 1.55" size	Space saving in end equipment
Enclosure & signal options	Versatile application

Model	Output power	Output voltage	Input voltage	Size	Mechanical format	Cooling
CUS400M	400W	12, 15, 19, 24, 28, 36, 48Vdc	85 – 264Vac	3 x 5"	Open frame, baseplate, U-channel, enclosed, enclosed with top fan	

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NEW MODEL

CUS600M

3 x 5" 600W Medical AC-DC Power Supplies



Warranty
5 years

⊕ Medical

Features	Benefits
400W (600W Peak) convection cooled	Quiet operation
600W with forced air	Can utilise system airflow or integrated fan
Medical certifications (2 x MOPP)	Suitable for B and BF type medical equipment
Class B conducted and radiated EMI	Easier system EMC compliance
Suitable for Class I and Class II installations	Flexible utilisation
Compact 3 x 5 x 1.46" size	Space saving in end equipment
Enclosure & other options	Versatile application

Model	Output power	Output voltage	Input voltage	Size	Mechanical format	Cooling
CUS600M	600W	12, 19, 24, 28, 32, 36, 48Vdc	85 – 265Vac	3 x 5"	Open frame, enclosed with end fan	

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NEW MODEL

TPS4000

4080W 3-Phase Input Industrial AC-DC Power Supplies



Warranty
3 years



Features	Benefits
400/440/480Vac (Nominal) 3 Phase Delta or Wye	Global use
Fully regulated, wide range voltage adjustment	Versatile application
Voltage and current programming	Flexible control and adjustment
-40°C (start up) to +70°C operation	Suitable for rugged environments
92% typical efficiency	Less energy used
PMBus™ communication	Remote output programming and monitoring
Built in ORing FET for parallel operation	Suitable for N + 1 redundancy

Model	Output power	Output voltage	Input voltage	Cooling
TPS4000	4000 – 4080W	24, 48Vdc	350 – 528Vac	

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NEW RANGE

WMM30

25 to 30W Medical Wall Mount AC-DC Power Supplies



Warranty
3 years

Medical

Features

Medical safety certifications and immunity
Class II input
Meets DoE Level VI and EU Tier 2 efficiency,
<75mW off-load power consumption
4kV (2 x MOPP) input to output isolation
Alternative connectors and cable assemblies

Benefits

Suitable for medical, clinical and home healthcare use
No earth ground connection needed
Meets US and EU energy saving legislation
Fully isolated for use with B and BF rated equipment
Flexible system integration

Model	Output power	Output voltage	Input voltage	Cooling
WMM30	30W	5, 9, 12, 15, 18, 24Vdc	80 – 264Vac	

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NEW MODEL

DTM36-C8

25 to 36W Medical AC-DC External Power Supplies**Warranty**
3 years

Medical

Features

Medical safety certifications and immunity
Class II input
Meets DoE Level VI and EU Tier 2 efficiency,
<75mW off-load power consumption
4kV (2 x MOPP) input to output isolation
Alternative connectors and cable assemblies

Benefits

Suitable for medical, clinical and home healthcare use
No earth ground connection needed
Meets US and EU energy saving legislation
Fully isolated for use with B and BF rated equipment
Flexible system integration

Model	Output power	Output voltage	Input voltage	Cooling
DTM36-C8	25 – 36W	5, 9, 12, 13.5, 15, 18, 24, 36, 48Vdc	80 – 264Vac	

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NEW RANGE

KPSB6 + KPSB25 – Series

5 to 25W AC-DC Board Mount Power Supplies

Warranty
3 years



Features	Benefits
High efficiency, up to 87%	Lower operating costs, improved thermal performance
Class B EMI	No external filter components required
Low no load power consumption	Energy saving
Wide operating temperature	Operation in harsh environments
Class II, wide range input (90 – 264Vac)	Global application, no earth required

Model	Output power	Output voltage	Input voltage	Cooling
KPSB6	6W	3.3, 5, 9, 12, 15, 24Vdc	90 – 264Vac	↓
KPSB25	25W	5, 12, 15, 24, 36, 48Vdc	90 – 264Vac	↓

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NEW MODELS

GENESYS™

1kW 1U Half Rack or Full Rack Mount power supply
1.5kW 1U Half Rack Mount power supply



Warranty
5 years

GENESYS™ series providing highest power density and lightest weight and feature rich is extended by new models and new options.

Features

- Arbitrary waveform generation and storage
- Programmable slew rate control
- Constant voltage, constant current and constant power limit operation
- Internal resistance programming
- Built-In LAN, USB, RS-232/RS-485 and isolated analogue interfaces
- Optional EtherCAT, Modbus-TCP and IEEE488 interfaces
- Blank front panel option

Power	Output voltage ranges	Output current ranges	Height / Package	Cooling
GH 1kW	0 – 10 to 0 – 600V	0 – 100 to 0 – 1.7A	1U, ½ 19"	
GH 1.5kW	0 – 10 to 0 – 600V	0 – 150 to 0 – 2.6A	1U, ½ 19"	

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NEW MODEL

i7A

750W, 18 to 60V Input non-isolated Step Down DC-DC Converter



Warranty
3 years

Features	Benefits
Up to 750W in a 1/16th brick footprint	High power density, less board area needed
High efficiency – up to 98.5%	Longer battery life / less power consumed
Wide 3.3 to 18V or 3.3 to 24V output adjustment	One part supports multiple system voltages
18 to 32V or 18 to 60V input ranges	Can operate from different DC source voltages including batteries
Low component count with minimal external components	Low cost
Minimal derating requirements in low airflow environments	Easy to cool in end system

Model	Output power	Output voltage	Input voltage	Package	Cooling
i7A4W	33A	3.3 – 24Vdc	18 – 60Vdc	1/16 Brick wide	↓ ↻
i7A	45A	3.3 – 18Vdc	18 – 32Vdc	1/16 Brick wide	↓ ↻

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NEW MODELS

PXD-M 30

30W Medical and Industrial DC-DC Converters



Warranty
5 years

Medical

Features

Wide 4:1 Input range

Compact 2" x 1" industry package

Certified to IEC 60601-1 and IEC 62368-1

2 x MOPP Isolation

Low no load power consumption

Benefits

Supports dual 12/24V or 24/48 system voltages

Less board area needed

Suitable for medical and industrial applications

High input to output isolation

Longer battery life

Model	Output power	Output voltage	Input voltage	Cooling
PXD-M30	30W	5 – 24V, ± 5 – 15V	9 – 36V / 18 – 75V	

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NEW MODELS

PXG-M 15/20

15 to 20W Medical and Industrial DC-DC Converter



Warranty
5 years

Medical

Features

Wide 4:1 Input range

Compact 1.6" x 1" industry package

Certified to IEC 60601-1 and IEC 62368-1

2 x MOPP Isolation

Low no load power consumption

Benefits

Supports dual 12/24V or 24/48 system voltages

Less board area needed

Suitable for medical and industrial applications

High input to output isolation

Longer battery life

Model	Output power	Output voltage	Input voltage	Cooling
PXG-M	15, 20W	5, 12, 24, ± 5 , ± 12 , ± 15	9 – 36V / 18 – 75V	

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NEW MODEL

i7C

300W, 9 – 53V Input, Buck-Boost non-isolated DC-DC Converters



Warranty
3 years

Features	Benefits
Up to 300W in a 1/16th brick pin-out	High power density, less board area needed
High efficiency – up to 97%	Longer battery life / low power consumed
Wide 5 to 28V or 9.6 to 48V output adjustment	One part supports multiple system voltages
Wide 9 to 53Vdc input range	Can operate from different DC source voltages
Low component count with minimal external components	Low cost
Low airflow with minimal derating requirements	Easy to cool in end system

Model	Output power	Output voltage	Input voltage	Package	Cooling
i7C4W	12.5A	5.0 – 28Vdc	9 – 53Vdc	1/16 Brick wide	↓ ↻
i7C4W	8A	9.6 – 48Vdc	9 – 53Vdc	1/16 Brick wide	↓ ↻

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NEW RANGE

DDA

250 to 500W Wide range, non-isolated DC-DC Converters



Warranty
3 years

Features	Benefits
250W single output, 325W and 500W dual output power levels	High power density
High efficiency up to 95%	Less waste heat
Wide input range – 9 up to 53V	One part for multiple applications
Wide 3.3 to 24V output adjustment	Accommodates non-standard voltages
Narrow 36.5mm width	More space available for other DIN Rail devices
Convection cooled	Easy to cool in end system

Model	Output power	Output current range	Output voltage	Input voltage	Cooling
DDA250	250W / NA	20A / NA	1) 12V / 3.3 to 15V 2) NA / NA	9 to 53V (Turn on at 10V or greater)	↓ ↻
DDA325	250W / 75W	14A / 8A	1) 12V / 3.3 to 24V 2) -12V / -3.3 to -24V	9 to 40V (Turn on at 10V or greater)	↓ ↻
DDA500	250W / 250W	20A / 20A	1) 12V / 3.3 to 15V 2) 5V / 3.3 to 15V	9 to 53V (Turn on at 10V or greater)	↓ ↻

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NEW MODEL

PH600A280-24

600W High Density Power Modules**Warranty**
5 years

Features

Wide range 200 to 425Vdc input
Baseplate cooled
-40 to 100°C baseplate temperature
Certified to IEC/EN62477-1 (OVC III)
Up to 93% efficient

Benefits

Suitable for HVDC applications
Can be conduction or convection cooled (with an optional heatsink)
Operates in harsh environments
No external transformer needed
Easier to cool in the end system

Model	Output power	Output voltage	Input voltage	Cooling
PH600A280-24	600W	24Vdc	200 – 425Vdc	

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NEW MODEL

EZA

11,000W Bi-Directional DC-DC Converter



Warranty
5 years

Features	Benefits
1U rackmount	Utilises less rack space
Battery Side 240Vdc	Suitable for 150 – 300V batteries
Grid Side 320Vdc	Operates on HVDC systems
High efficiency 95%	Minimises heat in system

Model	Output power	Low voltage DC (Battery Side)	High voltage DC (Grid Side)	Cooling
EZA-11kW	±11.000W	150 – 300Vdc (240V Nominal)	240 – 400Vdc (320V Nominal)	

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