

PRODUCT CATALOGUE



THE COMPANY

Favotek manufactures a variety of standard AC/DC and DC/DC power converters from 1W to 5kW, and provides custom power solutions. The company headquarters are located in Hong Kong, China. Manufacture based in Dongguan and Zhuhai, mainland China, includes an advanced research and development center in Shenzhen and is supported by a sophisticated quality management system. The products are sold through a worldwide distribution network, and win a high reputation in tens of countries for the quality, reliability, and competitiveness.



Founded:
2006



Certificates:
ISO9001, ISO14001



Employees:
500+



Land:
20000m²

QUALITY MANUFACTURING



We adhere to the “quality, reputation, innovation, excellence” concept to manage and improve product quality, with scientific system management, strict process control, on time delivery to meet customer needs and satisfaction. Maximum manufacturing efficiency and reliability using latest factory automation technologies.

POWER CONVERTERS

AC/DC Power Supplies

Board Mount, Open Frame / Board Mount Encapsulated

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Chassis Mount / External

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DC/DC Converters

Non-isolated, Switching Regulators

Page 10-11

Isolated - Fixed Input, SMD / SIP / DIP Package

Page 12-16

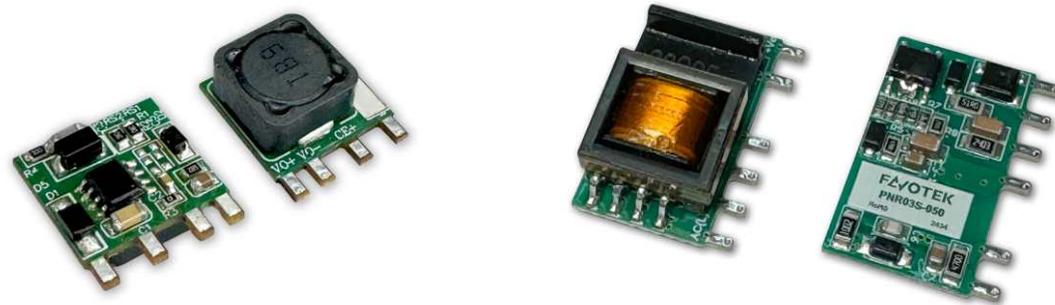
Isolated - Wide Input, SMD / SIP Package
DIP8 & DIP16 / DIP24 / DIP1"x1" / DIP2"x1" Package

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Dedicated, for IGBT / Railway / Solar PV Applications

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AC/DC POWER SUPPLIES



Board Mount Open Frame

- ▶ Cost optimized, compact SIP package
- ▶ Input range: 85~305VAC or 85~528VAC
- ▶ Energy saving, standby power only 0.1W Typ.
- ▶ Operating temperature range: -40~+85°C
- ▶ Certified to IEC/EN/UL 62368, IEC/EN 60335, IEC/EN 61558, UKCA
- ▶ Meet FCC CISPR32, EN55032 Class B
- ▶ RoHS and REACH compliant
- ▶ 3 year warranty

AC/DC Power Supplies

Board Mount, Open Frame

- ▶ Compact SIP package
- ▶ Input range 85~305VAC, 85~528VAC
- ▶ Operating temperature range: -40~+85°C
- ▶ Standby power only about 0.1W
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Certified to IEC/EN/UL62368, IEC/EN60335, IEC/EN61558, UKCA, FCC, EN55032 Class B

Image	Series	Power	Vin [VAC]	Vout [VDC]	Isolation	Mount	Size [mm]	Certifications	Features
	PNZR-S	1-5W	85-305	5, 12, 15, 18	None	PCB	16.13x15.1x9.5	EN62368-1	
	PNR03S PNR05S	3W 5W	85-305	3.3, 5, 7.5, 9, 12, 15, 18, 24	4kVAC	PCB	26.4x11x14.8	IEC/EN/UL62368-1 EN60335-1 EN61558-1, 2-16	
	PNR10S PNR15S	10W 15W	85-305	3.3, 5, 9, 12, 15, 24	4kVAC	PCB	32x14.5x17.2	IEC/EN62368-1 EN60335-1 EN61558-1, 2-16	
	PNW05S	5W	85-528	3.3, 5, 9, 12, 15, 24	4kVAC	PCB	33.5x13x17.2	IEC/EN62368-1 EN60335-1 EN61558-1, 2-16	85-528VAC Input
	PNW10S	10W	85-528	3.3, 5, 9, 12, 15, 24	4kVAC	PCB	38x15.25x20	IEC/EN62368-1 EN60335-1 EN61558-1, 2-16	85-528VAC Input
	PNW10SN* PNW15SN*	10W 15W	85-528	3.3, 5, 9, 12, 15, 24	4kVAC	PCB	38x15.25x20	IEC/EN62368-1* EN60335-1* EN61558-1, 2-16*	85-528VAC Input

* New Products - Coming Soon

*Certifications Pending

AC/DC POWER SUPPLIES



Board Mount Encapsulated

- ▶ Encapsulated DIP package
- ▶ Input range: 85~305VAC or 85~528VAC
- ▶ Operating temperature range: -40~+85°C
- ▶ Certified to IEC/EN/UL 62368-1, IEC/EN 60335-1, IEC/EN 61558-1, UKCA
- ▶ Meet FCC CISPR32, EN55032 Class B
- ▶ 3 year warranty

AC/DC Power Supplies

Board Mount, Encapsulated

- ▶ Encapsulated DIP package
- ▶ Input range 85~305VAC, 85~528VAC
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Image	Series	Power	Vin [VAC]	Vout [VDC]	Isolation	Mount	Size [mm]	Certifications	Features
	PMR03D PMR05D	3W 5W	85-305	3.3, 5, 9, 12, 15, 24	4kVAC	PCB Chassis DIN-Rail	25.4x25.4x15	IEC/EN/UL62368-1 IEC/EN60335-1 IEC/EN61558-1, 2-16	Compact 1"x1" package 15mm low profile
	PMR05DS*	5W	85-305	3.3, 5, 9, 12, 15, 24	4kVAC	PCB Chassis DIN-Rail	37x24x15	IEC/EN62368-1* EN60335-1* EN61558-1, 2-16*	15mm low profile
	PMR05H PMR10H	5W 10W	85-305	3.3, 5, 9, 12, 15, 24	4kVAC	PCB Chassis DIN-Rail	45.7x25.4x21.5	IEC/EN/UL62368-1 IEC/EN60335-1 IEC/EN61558-1, 2-16	
	PMR10D	10W	85-305	3.3, 5, 9, 12, 15, 18, 24	4kVAC	PCB Chassis DIN-Rail	40x25.4x21.5	EN62368-1 EN60335-1 EN61558-1, 2-16	
	PMR10DS	10W	85-305	3.3, 5, 7.5, 9, 12, 15, 24	4kVAC	PCB Chassis DIN-Rail	40x25.4x20	IEC/EN/UL62368-1 IEC/EN60335-1 IEC/EN61558-1, 2-16	20mm low profile
	PMR15D	15W	85-305	3.3, 5, 9, 12, 15, 18, 24	4kVAC	PCB Chassis DIN-Rail	45.7x25.4x21.5	EN62368-1 EN60335-1 EN61558-1, 2-16	
	PMR15DS	15W	85-305	3.3, 5, 9, 12, 15, 24	4kVAC	PCB Chassis DIN-Rail	45.7x25.4x21.5	IEC/EN/UL62368-1* IEC/EN60335-1 IEC/EN61558-1, 2-16	
	PMR15H PMR20H	15W 20W	85-305	3.3, 5, 9, 12, 15, 24	4kVAC	PCB Chassis DIN-Rail	52.4x27.2x24	IEC/EN/UL62368-1 IEC/EN60335-1 IEC/EN61558-1, 2-16	OVC III, PD3 Compliance
	PMR30H	30W	85-305	3.3, 5, 9, 12, 15, 24, 48	4.2kVAC	PCB Chassis DIN-Rail	69.5x39x24	IEC/EN/UL62368-1 IEC/EN60335-1 IEC/EN61558-1, 2-16	
	PMR40H	40W	85-305	5, 12, 15, 24, 48	4.2kVAC	PCB Chassis DIN-Rail	69.5x39x24	IEC/EN/UL62368-1 IEC/EN60335-1 IEC/EN61558-1, 2-16	

*New Products - Coming Soon

*Certifications Pending

AC/DC Power Supplies

Board Mount, Encapsulated

- ▶ Compact DIP package
- ▶ Input range 85~305VAC, 85~528VAC
- ▶ Operating temperature range: -40~+85°C
- ▶ Standby power only about 0.1W
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Certified to IEC/EN/UL62368, IEC/EN60335, IEC/EN61558, UKCA, FCC, EN55032 Class B

Image	Series	Power	Vin [VAC]	Vout [VDC]	Isolation	Mount	Size [mm]	Certifications	Features
	PMR60H	60W	85-305	5, 12, 15, 24, 48, 55.5	4.2kVAC	PCB Chassis DIN-Rail	70x48x27	IEC/EN/UL62368-1 IEC/EN60335-1 IEC/EN61558-1, 2-16	
	PMR90H*	90W	85-305	12, 15, 24, 48	4.2kVAC	PCB Chassis DIN-Rail	87x52x29.5	IEC/EN62368-1* EN60335-1* EN61558-1, 2-16*	OVC III, PD3 compliance
	PMR25HE	25W	85-305	3.3, 5, 9, 12, 15, 24, 48	4.2kVAC	PCB Chassis DIN-Rail	70x48x23.5	IEC/EN/UL62368-1* IEC/EN60335-1 IEC/EN61558-1, 2-16	Output trimming
	PMW10H* PMW20H*	10W 20W	85-528	3.3, 5, 9, 12, 15, 24	4kVAC	PCB	62x45x30	IEC/EN62368-1* EN60335-1* EN61558-1, 2-16*	85-528VAC input
	PMW30H*	30W	176-528	5, 12, 15, 24, 48	4kVAC	PCB Chassis DIN-Rail	70x48x27	IEC/EN62368-1* EN60335-1* EN61558-1, 2-16*	176-528VAC input
	PMW30HS*	30W	85-528	5, 12, 15, 24, 48	4kVAC	PCB	83x46x30	IEC/EN62368-1* EN60335-1* EN61558-1, 2-16*	85-528VAC input

*New Products - Coming Soon

*Certifications Pending

AC/DC POWER SUPPLIES



Chassis Mount Enclosed

- ▶ High power density, ultra-slim design
- ▶ Designed for industrial and medical use
- ▶ Reinforced insulation and highly reliable
- ▶ Operating temperature range: -20~+70°C
- ▶ RoHS and REACH compliant
- ▶ Certified to IEC/EN/UL62368, IEC/EN60335, IEC/EN61558, IEC/EN60601, EN55032 Class B
- ▶ 3 year warranty

AC/DC Power Supplies

Chassis Mount, Enclosed

- ▶ High power density, ultra-slim design
- ▶ Designed for industrial and medical use
- ▶ Reinforced insulation and highly reliable
- ▶ Operating temperature range: -20~+70°C
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Certified to IEC/EN/UL62368, IEC/EN60335, IEC/EN61558, IEC/EN60601, EN55032 Class B

Image	Series	Power	Vin [VAC]	Vout [VDC]	Isolation	Mount	Size [mm]	Certifications	Features
	PFS1500T*	1500W	90-264	12, 15, 18, 24, 28, 36, 42, 48, 60, 72, 100	4.2kVAC	Chassis	203x127x40	IEC/EN/UL62368-1* EN60335-1* EN61558-1, 2-16* IEC/EN60601-1*	
	PFS3000T*	3000W	90-264	24, 30, 36, 42, 48, 60, 72, 100, 120, 150	4.2kVAC	Chassis	278.1x108.8x41	IEC/EN62368-1* EN60335-1* EN61558-1, 2-16* IEC/EN60601-1*	
	PFS5000T*	5000W	90-264	24, 30, 36, 48, 60, 72, 85, 100, 120, 150, 250, 330, 400, 650, 800	4.2kVAC	Chassis	302.5x204x42.5	IEC/EN62368-1* EN60335-1* EN61558-1, 2-16* IEC/EN60601-1*	Ultra-slim design

*New Products - Coming Soon

*Certifications Pending

AC/DC POWER SUPPLIES



External

- ▶ Meet DOE Level VI
- ▶ Input range 90~264VAC
- ▶ Fixed or detachable AC plug options: EU/US/UK/AU
- ▶ Customizable DC plug and cable length
- ▶ RoHS and REACH compliant
- ▶ Certified to IEC/EN/ETL62368-1, UKCA
- ▶ Meet FCC Part 15B, EN55032 Class B
- ▶ 2 year warranty

AC/DC Power Supplies

External, Power Adaptors

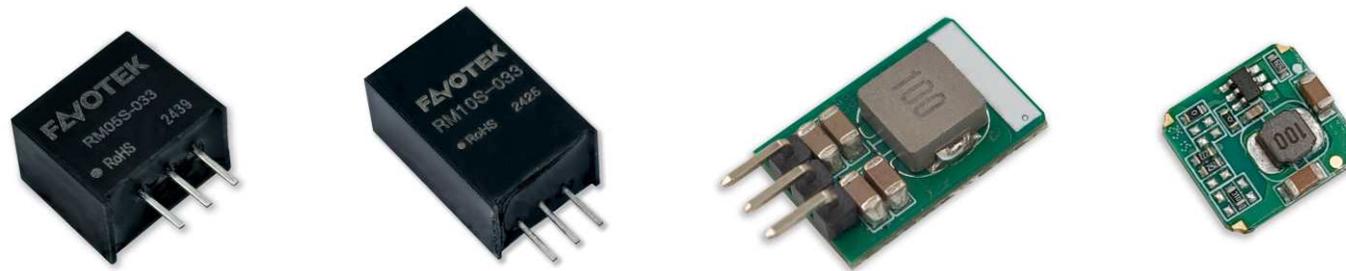
- ▶ Meet DOE Level VI
- ▶ Input range 90~264VAC
- ▶ Fixed or detachable AC plug options: EU/US/UK/AU
- ▶ Customizable DC plug and cable length
- ▶ 2 year warranty
- ▶ RoHS and REACH compliant
- ▶ Certified to IEC/EN/ETL62368-1, UKCA
- ▶ Meet FCC Part 15B, EN55032 Class B

Image	Series	Power	Vin [VAC]	Vout [VDC]	Isolation	AC Plug Options	Size [mm]	Certifications	Features
	PA003VP PA006VA PA012VP	3W 6W 12W	90-264	5, 9, 12, 15, 24	4.2kVAC	EU Plug CN/US Plug UK Plug AU Plug Detachable	58x37.1x25.5 58x37.1x32.5 58x50.1x32.5 58x39.0x34.5 58x40.0x36.8	IEC/EN/ETL62368-1	Customizable DC plug type and cable length, or optional USB-A output.
	PA018VP	18W	90-264	5, 7.5, 9, 12, 15, 24	4.2kVAC	EU Plug CN/US Plug UK Plug AU Plug Detachable	69x42.6x27.6 69x42.6x34.6 69x49.2x34.6 69x42.6x36.6 69x42.6x38.3	IEC/EN/ETL62368-1	Customizable DC plug type and cable length, or optional USB-A output.
	PA024VE	24W	90-264	5, 9, 12, 15, 24	4.2kVAC	EU Plug CN/US Plug UK Plug AU Plug	74x44.7x32.6 74x44.7x38.6 74x50.2x38.6 74x44.7x39.6	IEC/EN/ETL62368-1	Customizable DC plug type and cable length, or optional USB-A output.
	PA036VP	36W	90-264	9, 12, 15, 18, 24	4.2kVAC	EU Plug CN/US Plug UK Plug AU Plug Detachable	81.3x50.5x34.8 81.3x50.5x41.8 81.3x50.5x42.8 81.3x55.5x43.8 81.3x56.0x43.2	IEC/EN/ETL62368-1	Customizable DC plug type and cable length, or optional USB-A output.

*New Products - Coming Soon

*Certifications Pending

DC/DC CONVERTERS



Non-isolated Switching Regulators

- ▶ No heatsink required
- ▶ Typical efficiency 93 ... 96%
- ▶ Ultra-wide input voltage range
- ▶ Compatible with LM78 regulators
- ▶ RoHS and REACH compliant
- ▶ Meet IEC/EN/UL 62368-1 for safety
- ▶ Meet EN55032 Class B for EMC
- ▶ 3 year warranty

DC/DC Converters

Non-isolated, Switching Regulators

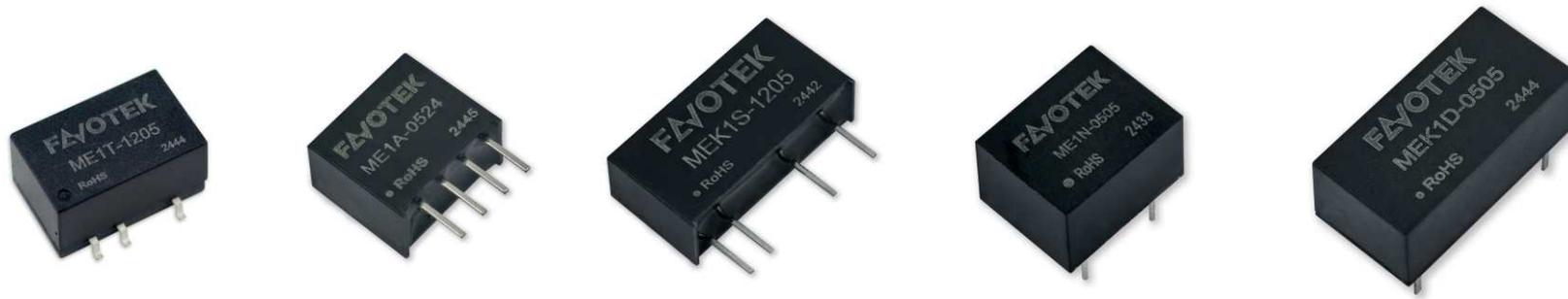
- ▶ No heatsink required
- ▶ Typical efficiency 93 ... 96%
- ▶ Ultra-wide input voltage range
- ▶ Compatible with LM78 regulators
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Meet IEC/EN/UL62368-1 for safety
- ▶ Meet EN55032 Class B for EMC

Image	Series	Power	Vin [VDC]	Vout [VDC]	Isolation	Package	Size [mm]	Certifications	Features
	RN05TF	0.5A	4.75-36	3.3, 5, 9, 12, 15	None	SMD	12.5x13.5x3.5	EN62368-1*	Ultra-slim design
	RN05S	0.5A	4.75-36	3.3, 5, 12, 15	None	SIP 3	10x7.2x11	EN62368-1	
	RN05SE*	0.5A	4.75-36	3.3, 5, 6.5, 9, 12, 15	None	SIP 3	10.27x6x8.61	EN62368-1*	Low cost
	RN10S	1A	6-36	3.3, 5, 6.5, 12, 15	None	SIP 3	11.5x7.5x17.5	EN62368-1	
	RM05S	0.5A	4.75-36	3.3, 5, 6.5, 9, 12, 15	None	SIP 3	11.6x7.55x10.16	EN62368-1	
	RM05SU	0.5A	9-90	3.3, 5, 6.5, 9, 12, 15, 24	None	SIP 3	11.5x9x17.5	EN62368-1	Ultra-wide input range
	RM10S	1A	6-36	3.3, 5, 6.5, 9, 12, 15	None	SIP 3	11.5x9x17.5	EN62368-1	
	RM10SN	1A	6-36	3.3, 5, 6.5, 9, 12, 15	None	SIP 3	11.6x7.55x10.16	EN62368-1	Miniature package
	RM20S	2A	4.5-36	1.8, 2.5, 3.3, 5, 6.5, 9, 12, 15	None	SIP 3	11.5x9x17.5	EN62368-1	
Soon!	RM30S*	3A	8-36	3.3, 5, 6.5, 9, 12, 15	None	SIP 12	31.8x8.5x14	EN62368-1*	

*New Products - Coming Soon

*Certifications Pending

DC/DC CONVERTERS



Isolated Fixed Input

- ▶ Cost effective selections
- ▶ Industrial standard pinning
- ▶ Continuous short circuit protected
- ▶ Operating temperature up to +105°C
- ▶ RoHS and REACH compliant
- ▶ Meet IEC/EN/UL 62368-1 for safety
- ▶ Meet EN55032 Class B for EMC
- ▶ 3 year warranty

DC/DC Converters

Isolated, Fixed Input, SMD Package

- ▶ Cost effective selections
- ▶ Industrial standard pinning
- ▶ Continuous short circuit protected
- ▶ Operating temperature up to +105°C
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Meet IEC/EN/UL62368-1 for safety
- ▶ Meet EN55032 Class B for EMC

Image	Series	Power	Vin [VDC]	Vout [VDC]	Isolation	Package	Size [mm]	Certifications	Features
	ME1TS*	1W	5 (±10%)	5, 12	1.5kVDC	SMD 8	13.2x11.4x4	EN62368-1*	Operating Temp. Range: -40~+105°C Ultra-slim design
	ME1T MEK1T	1W	3.3, 5, 12, 15, 24 (±10%)	3.3, 5, 9, 12, 15, 24	1.5kVDC 3kVDC	SMD 8	13.5x11x7.25	IEC/EN/UL62368-1	Operating Temp. Range: -40~+105°C
	ME1T-D MEK1T-D	1W	3.3, 5, 12, 15, 24 (±10%)	±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC 3kVDC	SMD 10	15.24x11.4x7.25	IEC/EN62368-1	Operating Temp. Range: -40~+105°C
	MEK1TL	1W	3.3, 5, 12, 15, 24 (±10%)	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24	3kVDC	SMD 12	15.24x11.4x7.25	IEC/EN62368-1	Operating Temp. Range: -40~+105°C
	ME2T MEK2T	2W	5, 12, 15, 24 (±10%)	3.3, 5, 7, 9, 12, 15, 24	1.5kVDC 3kVDC	SMD 8	13.5x11x7.25	IEC/EN62368-1	Operating Temp. Range: -40~+105°C
	MR1TA MRK1T	1W	5, 12, 24 (±5%)	3.3, 5, 9, 12, 15, 24	1.5kVDC 3kVDC	SMD 10	15.24x11.4x7.25	IEC/EN62368-1*	Regulated output

*New Products - Coming Soon

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DC/DC Converters

Isolated, Fixed Input, SIP Package

- ▶ Cost effective selections
- ▶ Industrial standard pinning
- ▶ Continuous short circuit protected
- ▶ Operating temperature up to +105°C
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Meet IEC/EN/UL62368-1 for safety
- ▶ Meet EN55032 Class B for EMC

Image	Series	Power	Vin [VDC]	Vout [VDC]	Isolation	Package	Size [mm]	Certifications	Features
	ME1A	1W	3.3, 5, 12, 15, 24 (±10%)	3.3, 5, 9, 12, 15, 24	1.5kVDC	SIP 4	11.6x6x10.2	IEC/EN/UL62368-1	Operating Temp. Range: -40~+105°C
	ME2A	2W	3.3, 5, 12, 15, 24 (±10%)	3.3, 5, 9, 12, 15, 24	1.5kVDC	SIP 4	11.6x6x10.2	IEC/EN62368-1	Operating Temp. Range: -40~+105°C
	ME1S MEK1S	1W	3.3, 5, 12, 15, 24 (±10%)	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC 3kVDC	SIP 7	19.65x6x10.16	IEC/EN/UL62368-1	Operating Temp. Range: -40~+105°C
	ME1S-B*	1W	5, 12, 24 (±10%)	+5/+5, +12/+12	1.5kVDC	SIP 7	19.65x6x10.16	IEC/EN62368-1*	Operating Temp. Range: -40~+105°C
	MEG1S	1W	5, 12, 15, 24 (±10%)	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24	6kVDC	SIP 7	19.5x9.8x12.5	IEC/EN62368-1	Operating Temp. Range: -40~+105°C Reinforced insulation
Soon!	MEG1SV*	1W	5, 12, 15, 24 (±10%)	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24	6kVDC	SIP 9	19.5x9.8x12.5	IEC/EN62368-1*	Operating Temp. Range: -40~+105°C Reinforced insulation
	ME2S MEK2S	2W	3.3, 5, 12, 15, 24 (±10%)	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC 3kVDC	SIP 7	19.6x7.05x10.1	IEC/EN62368-1	Operating Temp. Range: -40~+105°C
	MEG2S	2W	5, 12, 15, 24 (±10%)	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24	6kVDC	SIP 7	19.5x9.8x12.5	IEC/EN62368-1	Operating Temp. Range: -40~+105°C Reinforced insulation
Soon!	MEG2SV*	2W	5, 12, 15, 24 (±10%)	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24	6kVDC	SIP 9	19.5x9.8x12.5	IEC/EN62368-1*	Operating Temp. Range: -40~+105°C Reinforced insulation
	MEK3S	3W	5, 12, 15, 24 (±10%)	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24	3kVDC	SIP 7	19.6x7.05x10.1	IEC/EN62368-1*	

*New Products - Coming Soon

*Certifications Pending

DC/DC Converters

Isolated, Fixed Input, SIP Package

- ▶ Cost effective selections
- ▶ Industrial standard pinning
- ▶ Continuous short circuit protected
- ▶ Operating temperature up to +105°C
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Meet IEC/EN/UL62368-1 for safety
- ▶ Meet EN55032 Class B for EMC

Image	Series	Power	Vin [VDC]	Vout [VDC]	Isolation	Package	Size [mm]	Certifications	Features
	MR1A	0.75W	5, 12, 24 (±5%)	3.3, 5, 9, 12, 15	1.5kVDC	SIP 4	11.6x6x10.2	IEC/EN/UL62368-1	Regulated output
	MR1S MRK1S	1W	5, 12, 24 (±5%)	3.3, 5, 9, 12, 15, 24	1.5kVDC 3kVDC	SIP 7	19.65x6x10.16	IEC/EN/UL62368-1	Regulated output
	MR2S MRK2S	2W	5, 12, 24 (±5%)	3.3, 5	1.5kVDC 3kVDC	SIP 7	19.65x7.05x10.1	IEC/EN62368-1*	Regulated output

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*Certifications Pending

DC/DC Converters

Isolated, Fixed Input, DIP Package

- ▶ Cost effective selections
- ▶ Industrial standard pinning
- ▶ Continuous short circuit protected
- ▶ Operating temperature up to +105°C
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Meet IEC/EN/UL62368-1 for safety
- ▶ Meet EN55032 Class B for EMC

Image	Series	Power	Vin [VDC]	Vout [VDC]	Isolation	Package	Size [mm]	Certifications	Features
	ME1N MEK1N	1W	3.3, 5, 12, 15, 24 (±10%)	3.3, 5, 9, 12, 15, 24	1.5kVDC 3kVDC	DIP 8	12.7x10.1x7	IEC/EN/UL62368-1	Operating Temp. Range: -40~+105°C
	ME1D MEK1D	1W	3.3, 5, 12, 15, 24 (±10%)	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC 3kVDC	DIP 14	19.5x9.8x7	IEC/EN62368-1	Operating Temp. Range: -40~+105°C
	ME2D MEK2D	2W	3.3, 5, 12, 15, 24 (±10%)	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC 3kVDC	DIP 14	19.5x9.8x7	IEC/EN62368-1	Operating Temp. Range: -40~+105°C

*New Products - Coming Soon

*Certifications Pending

DC/DC CONVERTERS



Isolated Wide Input

- ▶ Compact SIP / DIP package
- ▶ Wide input voltage range 2:1 or 4:1 or 7:1
- ▶ Optional remote On/Off and Trim function
- ▶ Optional heatsink and chassis available
- ▶ RoHS and REACH compliant
- ▶ Meet IEC/EN/UL 62368-1 for safety
- ▶ Meet EN55032 Class B for EMC
- ▶ 3 year warranty

DC/DC Converters

Isolated, Wide Input, SIP Package

- ▶ Compact SIP package
- ▶ Wide input voltage range 2:1, 4:1 or 8:1
- ▶ Operating temperature -40 ~ +85°C
- ▶ Remote On/Off function
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Certified to IEC/EN/UL62368-1 for safety
- ▶ Meet EN55032 Class B for EMC

Image	Series	Power	Vin [VDC]	Vout [VDC]	Isolation	Package	Size [mm]	Certifications	Features
	MV1S MVK1S	1W	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 6, 9, 12, 15, 18, 24, 28 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC 3kVDC	SIP 8	22x9.5x12	IEC/EN/UL62368-1	
	MU1S MUK1S	1W	4.5-18, 9-36, 18-75	3.3, 5, 6, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC 3kVDC	SIP 8	22x9.5x12	IEC/EN/UL62368-1	
	MWK1S MWK3S	1W 3W	4.5-36	3.3, 5, 6, 9, 12, 15, 18, 24, 28 ±3.3, ±5, ±9, ±12, ±15, ±24	3kVDC	SIP 8	22x9.5x12	IEC/EN/UL62368-1	8:1 input range
	MV3S MVK3S	3W	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 6, 9, 12, 15, 18, 24, 28 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC 3kVDC	SIP 8	22x9.5x12	IEC/EN/UL62368-1	
	MU3S MUK3S	3W	4.5-18, 9-36, 18-75	3.3, 5, 6, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC 3kVDC	SIP 8	22x9.5x12	IEC/EN/UL62368-1	
	MV6S MVK6S	6W	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 6, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC 3kVDC	SIP 8	22x9.5x12	IEC/EN/UL62368-1	
	MU6S MUK6S	6W	4.5-18, 9-36, 18-75	3.3, 5, 6, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC 3kVDC	SIP 8	22x9.5x12	IEC/EN/UL62368-1	
	MWK6S*	6W	4.5-36	3.3, 5, 6, 9, 12, 15, 18, 24, 28 ±3.3, ±5, ±9, ±12, ±15, ±24	3kVDC	SIP 8	22x9.5x12	IEC/EN/UL62368-1	8:1 input range
	MV10S MVK10S*	10W	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 6, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC 3kVDC	SIP 8	22x9.5x12	IEC/EN/UL62368-1	
	MU10S MUK10S*	10W	9-36, 18-75	3.3, 5, 6, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC 3kVDC	SIP 8	22x9.5x12	IEC/EN/UL62368-1	

*New Products - Coming Soon

*Certifications Pending

DC/DC Converters

Isolated, Wide Input, Miniature Package

- ▶ Slim-SMD or Mini-DIP package
- ▶ Wide input voltage range 2:1, 4:1 or 7:1
- ▶ Operating temperature up to +105°C
- ▶ Remote On/Off and Trim function
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Meet IEC/EN/UL62368-1 for safety
- ▶ Meet EN55032 Class B for EMC

Image	Series	Power	Vin [VDC]	Vout [VDC]	Isolation	Package	Size [mm]	Certifications	Features
	MV3F-T MV3F	3W	9-18, 18-36, 36-75	3.3, 5, 12, 15, 24	1.5kVDC	SMD 8 DIP 8	14x14x9	EN62368-1*	
	MU3F-T* MU3F*	3W	9-36, 18-75	3.3, 5, 12, 15, 24	1.5kVDC	SMD 8 DIP 8	14x14x9	EN62368-1*	
	CNV6TJ*	6W	9-18, 18-36	3.3, 5, 12, 15	1.5kVDC	SMD	31.6x18.1x6.3	EN62368-1*	6.3mm low profile Remote & Trim function
	CNWK6TF	6W	6-42	5, 12, 15, 24	3kVDC	SMD	43.6x23x10	EN62368-1*	7:1 input range
Soon!	MU6N*	6W	9-36, 18-75	3.3, 5, 6, 9, 12, 15, 18, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	DIP 16	23.8x13.7x10.2	IEC/EN62368-1*	Operating Temp. Range: -40~+105°C
Soon!	MU10N*	10W	9-36, 18-75	3.3, 5, 6, 9, 12, 15, 18, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	DIP 16	23.8x13.7x10.2	IEC/EN62368-1*	Operating Temp. Range: -40~+105°C

*New Products - Coming Soon

*Certifications Pending

DC/DC Converters

Isolated, Wide Input, DIP24 Package

- ▶ Standard DIP24 package
- ▶ Wide input voltage range 2:1 or 4:1
- ▶ Operating temperature -40 ~ +85°C
- ▶ Remote On/Off and Trim function
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Meet IEC/EN/UL62368-1 for safety
- ▶ Meet EN55032 Class B for EMC

Image	Series	Power	Vin [VDC]	Vout [VDC]	Isolation	Package	Size [mm]	Certifications	Features
	MV3D MVK3P	3W	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 6, 9, 12, 15, 18, 24, 28 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5Kvdc 3kVDC	DIP 24	32x20x11.1 32x20x12	IEC/EN62368-1	
	MU3D MUK3P	3W	4.5-18, 9-36, 18-75	3.3, 5, 6, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5Kvdc 3kVDC	DIP 24	32x20x11.1 32x20x12	IEC/EN62368-1	
	MV6D MVK6P	6W	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 6, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5Kvdc 3kVDC	DIP 24	32x20x11.1 32x20x12	IEC/EN62368-1	
	MU6D MUK6P	6W	4.5-18, 9-36, 18-75	3.3, 5, 6, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5Kvdc 3kVDC	DIP 24	32x20x11.1 32x20x12	IEC/EN62368-1	
	MUR6P	6W	9-36, 18-75	3.3, 5, 6, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	6kVDC	DIP 24	32x20x12	IEC/EN62368-1*	Reinforced insulation
	MV10D	10W	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 6, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	DIP 24	32x20x11.1	IEC/EN62368-1	Remote & Trim function
	MU10D	10W	4.5-18, 9-36, 18-75	3.3, 5, 6, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	DIP 24	32x20x11.1	IEC/EN62368-1	Remote & Trim function

*New Products - Coming Soon

*Certifications Pending

DC/DC Converters

Isolated, Wide Input, DIP1"x1" Package

- ▶ Compact DIP 1"x1" package
- ▶ Wide input voltage range 2:1 or 4:1
- ▶ Remote On/Off and Trim function
- ▶ Optional heatsinks and chassis available
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Meet IEC/EN/UL62368-1 for safety
- ▶ Meet EN55032 Class B for EMC

Image	Series	Power	Vin [VDC]	Vout [VDC]	Isolation	Mount	Size [mm]	Certifications	Features
	MV6G	6W	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 6, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	PCB Chassis DIN-Rail	25.4x25.4x12	IEC/EN62368-1	
	MU6G	6W	9-36, 18-75	3.3, 5, 6, 9, 12, 15, 18, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	PCB Chassis DIN-Rail	25.4x25.4x12	IEC/EN62368-1	
	MU10G	10W	9-36, 18-75	3.3, 5, 6, 9, 12, 15, 18, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	PCB Chassis DIN-Rail	25.4x25.4x12	IEC/EN62368-1	Remote function
	MV10G	10W	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 6, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	PCB Chassis DIN-Rail	25.4x25.4x12	IEC/EN62368-1	Remote function
	MV15G	15W	18-36, 36-75	3.3, 5, 6, 9, 12, 15, 18, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	PCB Chassis DIN-Rail	25.4x25.4x12	IEC/EN62368-1	Remote & Trim function
	MU15G	15W	9-36, 18-75	3.3, 5, 6, 9, 12, 15, 18, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	PCB Chassis DIN-Rail	25.4x25.4x12	IEC/EN62368-1	Remote & Trim function
	MV20G	20W	18-36, 36-75	3.3, 5, 6, 9, 12, 15, 18, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	PCB Chassis DIN-Rail	25.4x25.4x12	IEC/EN62368-1	Remote & Trim function
	MU20G	20W	9-36, 18-75	3.3, 5, 6, 9, 12, 15, 18, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	PCB Chassis DIN-Rail	25.4x25.4x12	IEC/EN62368-1	Remote & Trim function
	MU30G	30W	9-36, 18-75	3.3, 5, 12, 15, 24 ±5, ±12, ±15, ±24	1.5kVDC	PCB Chassis DIN-Rail	25.4x25.4x12	IEC/EN62368-1*	Remote & Trim function
	MU40G	40W	9-36, 18-75	3.3, 5, 12, 15, 24	1.5kVDC	PCB Chassis DIN-Rail	25.4x25.4x12	IEC/EN62368-1*	Remote & Trim function

*New Products - Coming Soon

*Certifications Pending

DC/DC Converters

Isolated, Wide Input, DIP2"x1" Package

- ▶ Compact DIP 2"x1" package
- ▶ Wide input voltage range 2:1 or 4:1
- ▶ Remote On/Off and Trim function
- ▶ Optional heatsinks and chassis available
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Meet IEC/EN/UL62368-1 for safety
- ▶ Meet EN55032 Class B for EMC

Image	Series	Power	Vin [VDC]	Vout [VDC]	Isolation	Mount	Size [mm]	Certifications	Features
	MU10H	10W	9-36, 18-75	3.3, 5, 6, 9, 12, 15, 18, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	PCB Chassis DIN-Rail	50.8x25.4x12	IEC/EN62368-1	Remote function
	MV15H MV20H	15W 20W	18-36, 36-75	3.3, 5, 6, 9, 12, 15, 18, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	PCB Chassis DIN-Rail	50.8x25.4x12	IEC/EN62368-1	Remote & Trim function
	MU15H MU20H	15W 20W	9-36, 18-75	3.3, 5, 6, 9, 12, 15, 18, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	PCB Chassis DIN-Rail	50.8x25.4x12	IEC/EN62368-1	Remote & Trim function
	MV30H	30W	18-36, 36-75	3.3, 5, 6, 9, 12, 15, 18, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	PCB Chassis DIN-Rail	50.8x25.4x12	IEC/EN62368-1*	Remote & Trim function
	MU30H	30W	9-36, 18-75	3.3, 5, 6, 9, 12, 15, 18, 24 ±5, ±12, ±15, ±24	1.5kVDC	PCB Chassis DIN-Rail	50.8x25.4x12	IEC/EN62368-1*	Remote & Trim function
	MV40H	40W	18-36, 36-75	3.3, 5, 6, 9, 12, 15, 18, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1.5kVDC	PCB Chassis DIN-Rail	50.8x25.4x12	IEC/EN62368-1*	Remote & Trim function
	MU40H	40W	9-36, 18-75	5, 7, 9, 12, 15, 24	1.5kVDC	PCB Chassis DIN-Rail	50.8x25.4x12	IEC/EN62368-1*	Remote & Trim function
	MU50H	50W	9-36, 18-75	5, 12, 15, 24	1.5kVDC	PCB Chassis DIN-Rail	50.8x25.4x12	IEC/EN62368-1*	Remote & Trim function
	MU60H	60W	9-36, 18-75	5, 12, 15, 24	1.5kVDC	PCB Chassis DIN-Rail	50.8x25.4x12	IEC/EN62368-1*	Remote & Trim function
	MU80H*	80W	9-36, 18-75	5, 12, 15, 24	1.5kVDC	PCB Chassis DIN-Rail	50.8x25.4x12	IEC/EN62368-1*	Remote & Trim function

*New Products - Coming Soon

*Certifications Pending

DC/DC CONVERTERS



Dedicated Power Supply Series
IGBT Gate Driver Power Supply
Railway Power Supply (EN50155 Compliant)
Solar PV Power Supply (1500VDC Input)

DC/DC Converters

Dedicated to IGBT Applications

- ▶ Isolated gate driver power supply for IGBT
- ▶ Reinforced insulation with isolation up to 5kVAC
- ▶ Continuous short circuit protection
- ▶ Wide operating temperature -40 ~ +105°C
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Meet IEC/EN/UL62368-1 for safety
- ▶ Meet EN55032 Class B for EMC

Image	Series	Power	Vin [VDC]	Vout [VDC]	Isolation	Package	Size [mm]	Certifications	Features
	MQ1S	1.5W	5, 12, 15, 24 (±10%)	+9/-9, +15/-8, +15/-8.7, +17/-8.7, +20/-4	4kVAC	SIP 7	19.5x9.8x12.5	EN62368-1*	Operating Temp. Range: -40~+105°C Reinforced insulation
	MQ2S	2W	12, 15, 24 (±10%)	+15/-2.5, +15/-3.5, +15/-4, +15/-8, +15/-8.7, +18/-3, +20/-4, +20/-5	4kVAC	SIP 7	19.5x9.8x12.5	EN62368-1*	Operating Temp. Range: -40~+105°C Reinforced insulation
	MQ2SL*	2W	12, 15, 24 (±10%)	+15/-4, +15/-9, +20/-5	5kVAC	SIP 10	27.4x9.5x12	EN62368-1*	Operating Temp. Range: -40~+105°C Reinforced insulation

*New Products - Coming Soon

*Certifications Pending

DC/DC Converters

Dedicated to Railway Applications

- ▶ EN50155 compliant railway power supply
- ▶ Remote On/Off and Trim function (> 15W)
- ▶ Wide operating temperature -40 ~ +105°C
- ▶ Optional heatsinks and chassis available
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Meet IEC/EN/UL62368-1, EN50155 for safety
- ▶ Meet EN55032 Class B for EMC

Image	Series	Power	Vin [VDC]	Vout [VDC]	Isolation	Package	Size [mm]	Certifications	Features
	MA6G MA10G	6W 10W	40-160	3.3, 5, 12, 15, 24 ±3.3, ±5, ±12, ±15, ±24	2.25kVDC	DIP 1"x1"	25.4x25.4x12	IEC/EN62368-1 EN50155*	
	MA10H	10W	40-160	3.3, 5, 12, 15, 24 ±3.3, ±5, ±12, ±15, ±24	2.25kVDC	DIP 2"x1"	50.8x25.4x11.8	IEC/EN62368-1 EN50155*	
	MA15H	15W	40-160	3.3, 5, 12, 15, 24	2.25kVDC	DIP 2"x1"	50.8x25.4x11.8	IEC/EN62368-1 EN50155*	
	MA20H MA20H-A	20W	40-160	3.3, 5, 12, 15, 24	2.25kVDC	DIP 2"x1"	50.8x25.4x11.8	IEC/EN62368-1 EN50155*	The two series are different pinning
	MA40H	40W	40-160	3.3, 5, 12, 15, 24, 48	3kVDC	DIP 2"x1"	50.8x25.4x11.8	IEC/EN62368-1* EN50155*	
	MA50BQ* MA75BQ*	50W	43-160	3.3, 5, 12, 15, 24, 48	3kVAC	1/4 Brick	60.8x39.2x12.7	IEC/EN62368-1* EN50155*	
	MA100BQ*	100W	43-160	3.3, 5, 12, 15, 24, 48	3kVAC	1/4 Brick	60.8x39.2x12.7	IEC/EN62368-1* EN50155*	

*New Products - Coming Soon

*Certifications Pending

DC/DC Converters

Dedicated to Solar PV Applications

- ▶ Input voltage up to 1500VDC
- ▶ Operating altitude up to 5000m
- ▶ Operating temperature range: -40 ~ +70°C
- ▶ Designed for solar photovoltaic (PV) applications
- ▶ 3 year warranty
- ▶ RoHS and REACH compliant
- ▶ Meet UL1741, IEC/EN62109-1 for safety
- ▶ Meet EN55032 Class B for EMC

Image	Series	Power	Vin [VDC]	Vout [VDC]	Isolation	Mount	Size [mm]	Certifications	Features
	MSR15D-VE*	15W	100-1000	5, 12, 15, 24	4kVAC	PCB	70x48x23.5	IEC/EN62109-1*	
	MSH15D-VN*	15W	200-1500	5, 12, 15, 24	4kVAC	PCB	76.2x50.8x25	IEC/EN62109-1*	
	MSH20D-VE*	20W	200-1500	5, 12, 15, 24	4kVAC	PCB	89x63.5x25	IEC/EN62109-1*	
	MSR50D-VE*	50W	200-1200	12, 15, 24, 36, 48	4kVAC	PCB	89x63.5x25	IEC/EN62109-1*	
	MSH150E*	150W	250-1500	12, 15, 24, 28, 32, 48	4kVAC	Chassis	168x111.2x42	IEC/EN62109-1* UL1741*	
	MSH360E*	360W	300-1500	12, 15, 24, 28, 32, 48	4kVAC	Chassis	237x100x43	IEC/EN62109-1* UL1741*	Active current sharing support

*New Products - Coming Soon

*Certifications Pending

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