

Switching Power Supplies

With more than 20 years of technological accumulation in the power supply industry, MEGMEET provides the power supply solutions with high efficiency, high power density and high reliability for the industrial field customers.



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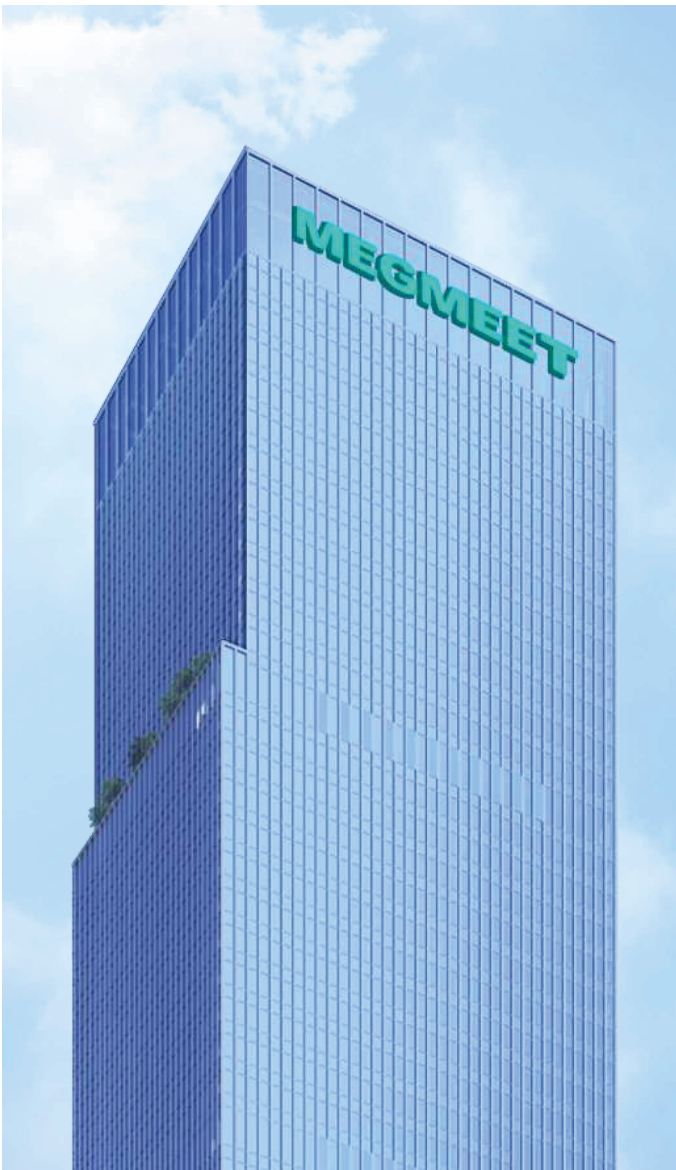
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Global Infrastructure for Scalable Engineering Solutions
Global Engineering & Field Application Support Network

*COB: Chip On Board

About MEGMEET

MEGMEET is a \$1.2B global power and energy company specializing in high-efficiency power solutions for datacenters, eMobility, healthcare, industrial automation and renewable energy. With R&D, manufacturing facilities and global operations across North America, India, Thailand, China and Germany, MEGMEET is Engineered to Empower™ the future of switching power supply.



Half Range Input Series



Key Features

- AC input: 200 to 240 VAC
Working temperature: -40 °C to +70 °C (see specification sheet)
- Applications: fixed installation, rental, fine-pitch LED displays
- Protections: over voltage / over current / over temperature / short circuit

Product Model	Input Voltage (VAC)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency (%)	Dimensions (L × W × H) (mm)
MCP200NS-x.yA	200 to 240	200	3.8 to 5.0	40	87%	165 × 56 × 26
MCP300NS-x.y	200 to 240	300	3.8 to 5.0	60	87%	165 × 56 × 26
MCP300NL-x.y	200 to 240	300	3.8 to 5.0	60	87%	210 × 80 × 31
MCP400NS-x.y	200 to 240	400	3.8 to 5.0	80	87%	185 × 67.5 × 26
MCP400NL-x.y	200 to 240	400	3.8 to 5.0	80	87%	235 × 68 × 31
MCP400ND-4.3/3.2	200 to 240	400	4.2 / 3.2	45 / 35	86%	225 × 68 × 31

Half Range Input Series (Certified)

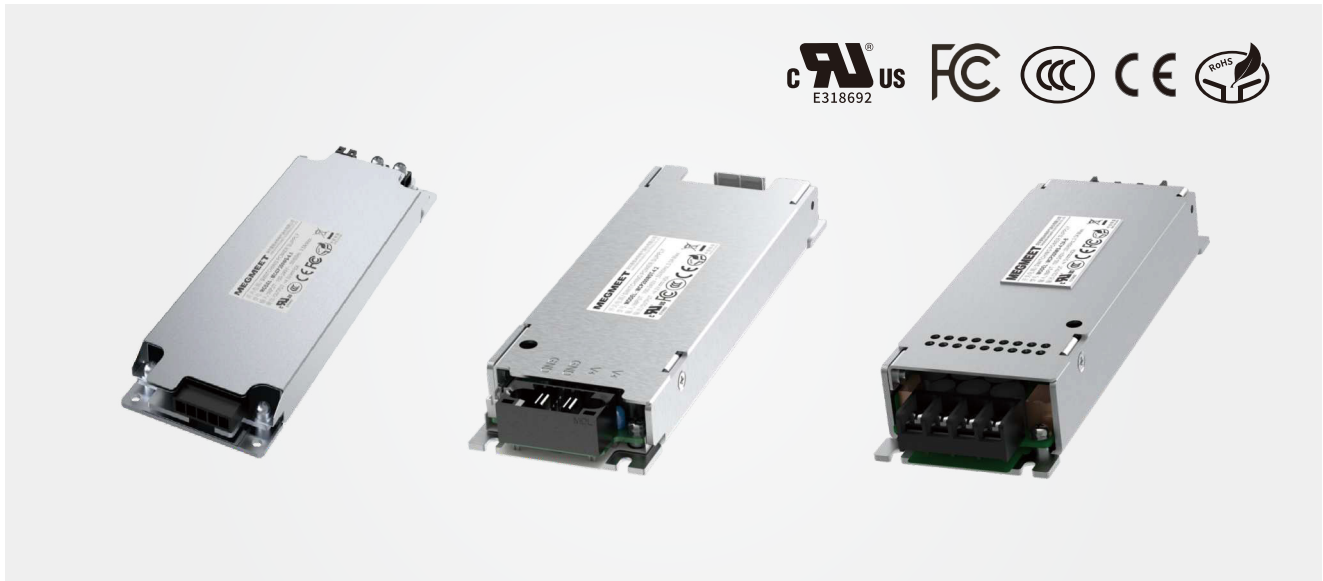


Key Features

- AC input: 200 to 240 VAC
- Built-in active PFC function (APFC)
- Working temperature: -40 °C to +70 °C (see specification)
- Protections: over voltage / over current / over temperature / short circuit
- Applications: fixed installation, rental, fine-pitch LED displays

Product Model	Input Voltage (VAC)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency (%)	Dimensions (L × W × H) (mm)
MCP200CLT-x.y	200 to 240	200	3.8 to 5.0	45	89%	160 × 50 × 19
MCP200CL-x.y	200 to 240	200	3.8 to 5.0	40	88%	208 × 59 × 31
MCP300CAS-x.y	200 to 240	300	3.8 to 5.0	60	90%	165 × 55 × 26
MCP300CL-x.y	200 to 240	300	3.8 to 5.0	60	87%	190 × 60 × 26
MCP400CAL-x.y	200 to 240	400	3.8 to 5.0	80	90%	220 × 38 × 26
MCP400CCD-4.2/3.2	200 to 240	400	4.2 / 3.2	45 / 35	89%	185 × 68 × 26

200W Full Range Input Series

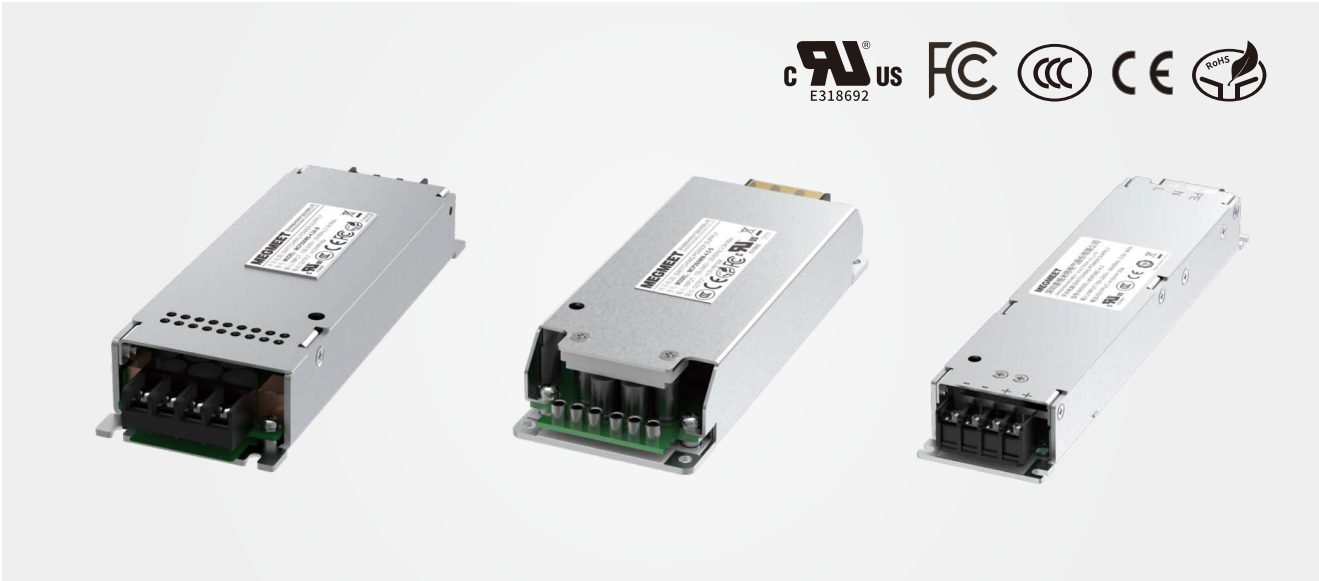


Key Features

- AC input: 90 to 264 VAC
- Built-in active PFC function (APFC)
- Working temperature: -40 °C to +70 °C (see specifications)
- Protections: over voltage / over current / over temperature / short circuit
- Applications: fixed installation, rental, fine-pitch LED displays

Product Model	Input Voltage (VAC)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency (%)	Dimensions (L × W × H) (mm)
MCMP200WT-x.y	100 to 240	200	3.8 to 5.0	40 to 45	89%	165 × 56 × 13
MCP200WLT-x.y	100 to 240	200	3.8 to 5.0	45	89%	160 × 50 × 19
MCP200WST-x.y	100 to 240	200	3.8 to 5.0	40 to 45	88%	165 × 56 × 19
MCP200WS-x.yA-B	100 to 240	200	3.8 to 5.0	45	88%	165 × 56 × 26
MCP200WCL-x.y	180 to 240 100 to 180	200	3.8 to 5.0	40 32	87%	208 × 59 × 31

260W Full Range Input Series

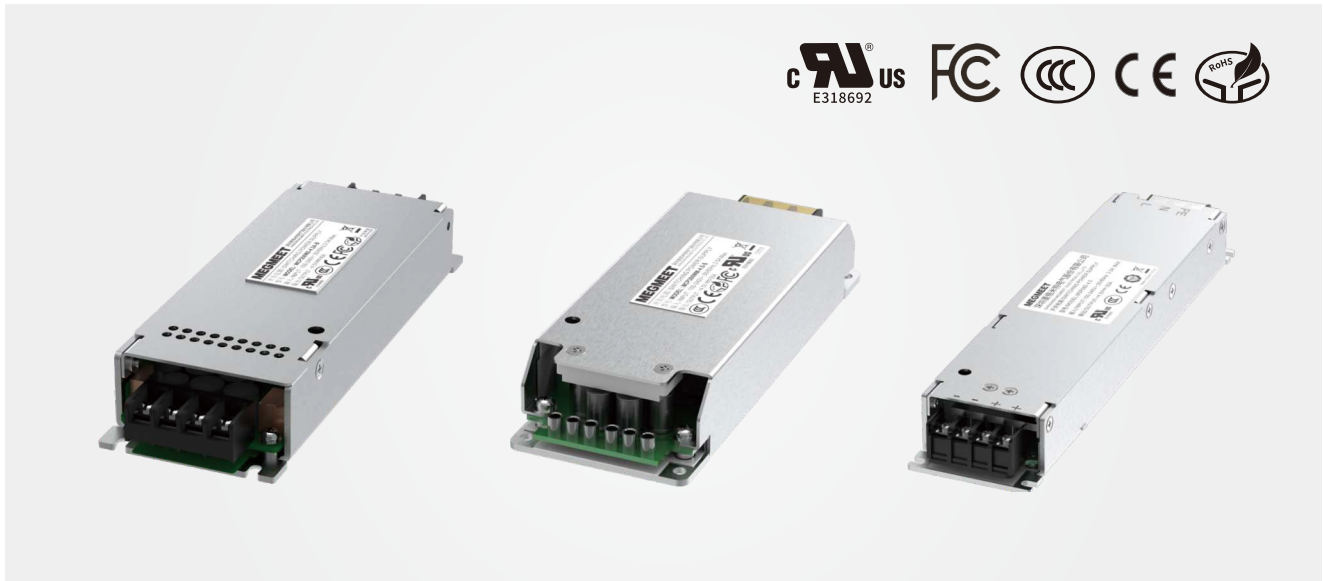


Key Features

- AC input: 90 to 264 VAC
- Built-in active PFC function (APFC)
- Working temperature: -40 °C to +70 °C (see specifications)
- Protections: over voltage / over current / over temperature / short circuit
- Applications: fixed installation, rental, fine-pitch LED displays

Product Model	Input Voltage (VAC)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency (%)	Dimensions (L × W × H) (mm)
MCP260WL-x.y	100 to 240	260	2.6 to 3.3 / 3.3 to 5.0	50	89%	180 × 42 × 26
MCP260WV-x.y-A	100 to 240	260	3.8 to 5.0	50	88%	145 × 78 × 26
MCP260WM-x.y	100 to 240	260	3.8 to 5.0	50	90%	146 × 55 × 26.4
MSP260-x.y	100 to 240	260	3.8 to 5.0	50	86%	220 × 50 × 26

300W Full Range Input Series



Key Features

- AC input: 90 to 264 VAC
- Built-in active PFC function (APFC)
- Working temperature: -40 °C to +70 °C (see specifications)
- Protections: over voltage / over current / over temperature / short circuit
- Applications: fixed installation, rental, fine-pitch LED displays

Product Model	Input Voltage (VAC)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency (%)	Dimensions (L × W × H) (mm)
MCP300WS-x.yA-B	100 to 240	300	3.8 to 5.0	60	91%	165 × 56 × 26
MCP300WAS-x.y	100 to 240	300	3.8 to 5.0	60	90%	167 × 55 × 26
MCP300WAL-x.y	100 to 240	300	3.8 to 5.0	60	89%	180 × 42 × 26
MCP300WCS-x.y	100 to 240	300	3.8 to 5.0	60	91%	185 × 64 × 26
MCP300WCS-x.y-GL	100 to 240	300	3.8 to 5.0	60	91%	210 × 80 × 26
MCP300WCL-x.y	180 to 240 100 to 180	300	3.8 to 5.0	60 50	89%	190 × 60 × 26

400W Full Range Input Series



Key Features

- AC input: 90 to 264 VAC
- Built-in active PFC function (APFC)
- Working temperature: -40 °C to +70 °C (see specifications)
- Protections: over voltage / over current / over temperature / short circuit
- Applications: fixed installation, rental, fine-pitch LED displays

Product Model	Input Voltage (VAC)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency (%)	Dimensions (L × W × H) (mm)
MCP400WST-x.y	100 to 240	400	3.8 to 5.0	80	90%	233 × 55 × 19
MCP400WL-x.y-C	100 to 240	400	3.8 to 5.0	80	91%	246 × 46 × 26
MCP400WCS-x.y	100 to 240	400	3.8 to 5.0	80	90%	185 × 68 × 26
MCP400WAS-x.y	100 to 240	400	3.8 to 5.0	80	89%	180 × 56 × 26
MLP400-x.y	100 to 240	400	3.8 to 5.0	80	88%	250 × 53 × 26

500-800W Full Range Input Series

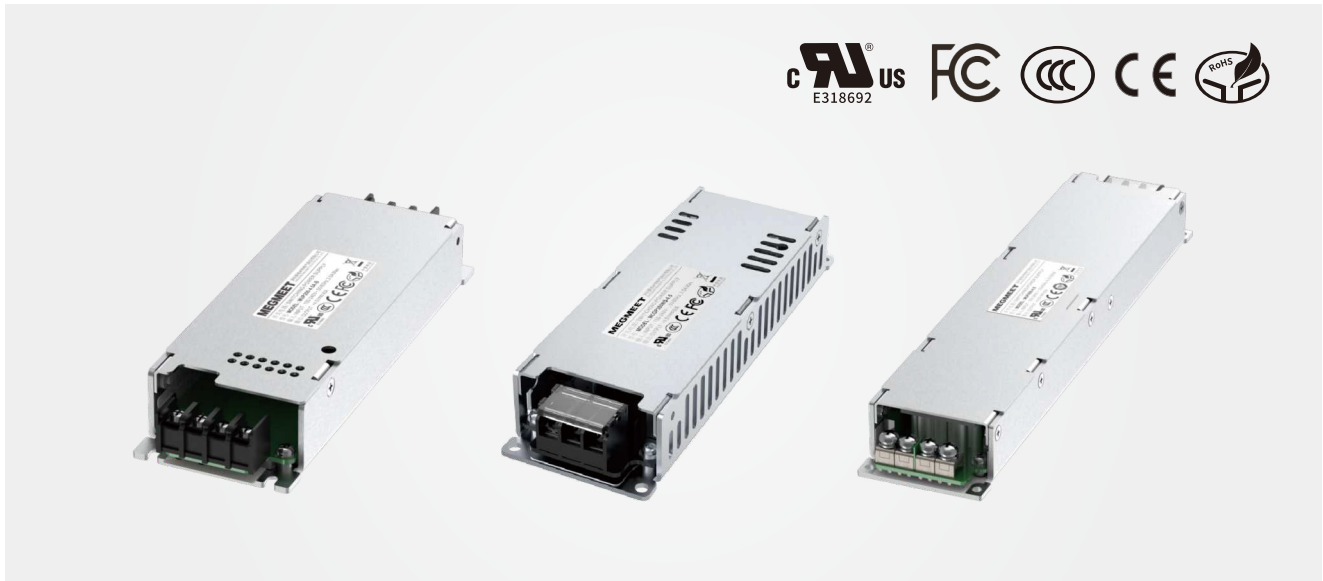


Key Features

- AC input: 90 to 264 VAC
- Built-in active PFC function (APFC)
- Working temperature: -40 °C to +70 °C (see specifications)
- Protections: over voltage / over current / over temperature / short circuit
- Applications: fixed installation, rental

Product Model	Input Voltage (VAC)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency (%)	Dimensions (L × W × H) (mm)
MCP500WCL-x.y	100 to 240	500	3.8 to 5.0	100	90%	246 × 46 × 26.4
MCP500WAL-x.y	100 to 240 100 to 180	500	3.8 to 5.0	100 80	91%	220 × 46 × 26.5
MCP600WAL-x.y	100 to 240	600	3.8 to 5.0	120	88%	270 × 54 × 31
MCP800WS-4.0	100 to 240	800	4.0	160	90%	285 × 68 × 31

Single-Output (Current Sharing) Series

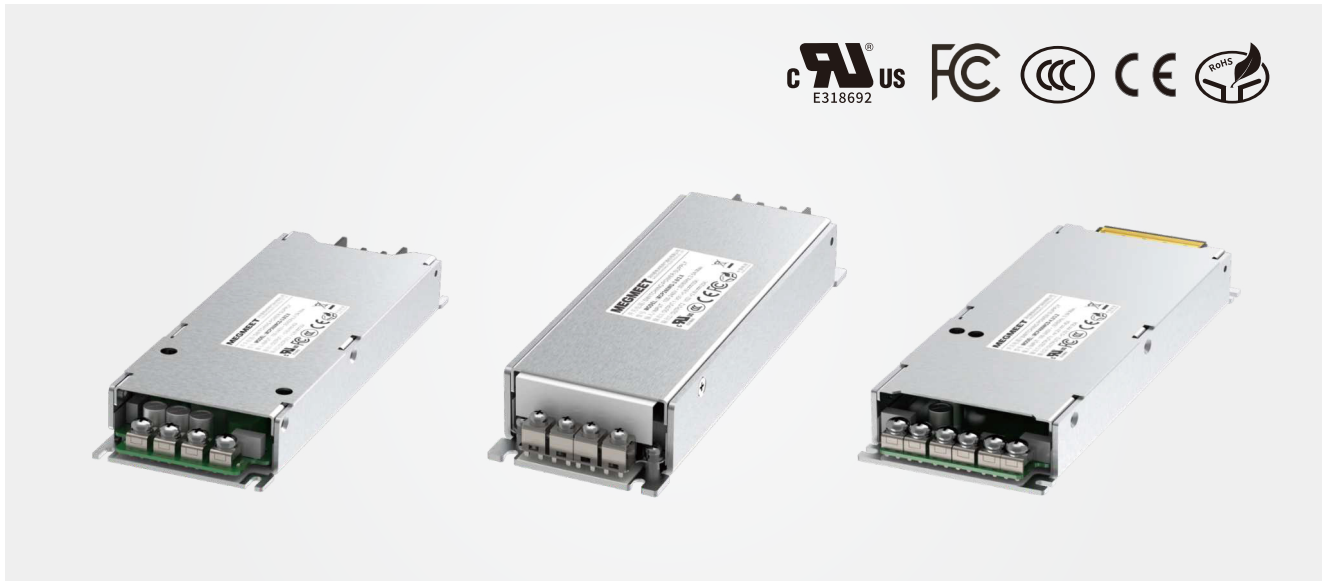


Key Features

- AC input: 90 to 264 VAC
- Built-in active PFC function (APFC)
- Working temperature: -40 °C to +70 °C (see specifications)
- Supports current-sharing redundancy function
- Protections: over voltage / over current / over temperature / short circuit
- Applications: fixed installation, rental, fine-pitch LED displays

Product Model	Input Voltage (VAC)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency (%)	Dimensions (L × W × H) (mm)
MUP200WLT-x.y	100 to 240	200	3.8 to 5.0	45	89%	160 × 50 × 19
MUP200-x.yA-B	100 to 240	200	3.8 to 5.0	45	88%	165 × 56 × 26
MUP300-x.yR	100 to 240	300	3.8 to 5.0	60	90%	165 × 56 × 26
MUP400WL-x.y	100 to 240	400	3.8 to 5.0	80	90%	246 × 46 × 26
MUP400-x.yR	100 to 240	400	3.8 to 5.0	80	88%	180 × 56 × 26.4

Dual Output Common Cathode Series

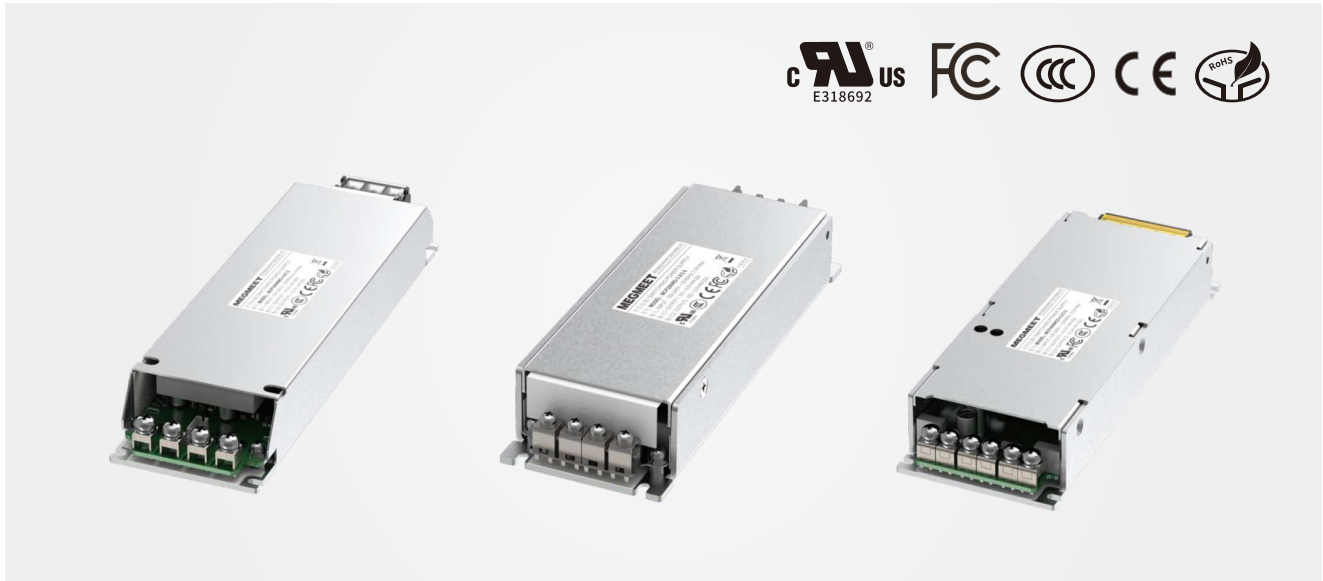


Key Features

- AC input: 90 to 264 VAC
- Built-in active PFC function (APFC)
- Working temperature: -40 °C to +70 °C (see specifications)
- Protections: over voltage / over current / over temperature / short circuit
- Applications: Fixed installation, rental, fine-pitch LED displays

Product Model	Input Voltage (VAC)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency (%)	Dimensions (L × W × H) (mm)
MCP260WDT- 3.8/2.8-LM-A	100 to 240	260	3.8 / 2.8	30 / 20	86%	160 × 65 × 19
MCP260WD- 3.8/2.8-EB	100 to 240	260	3.8 / 2.8	30 / 20	87%	165 × 56 × 26
MCP300WCD- 3.8/2.8	100 to 240	300	3.8 / 2.8	40 / 30	86%	185 × 64 × 26
MCP400WCD- 4.2/3.2	100 to 240	400	4.2 / 3.2	45 / 35	88%	185 × 68 × 26
MCP450WD- 4.2/3.2-B-A	100 to 240	450	4.2 / 3.2	55 / 35	89%	260 × 46 × 26
MCP500WD-4.2/3.2-D	100 to 240	500	4.2 / 3.2	60 / 40	87%	235 × 68 × 26

Dual Output Common Cathode (Current Sharing) Series



Key Features

- AC input: 90 to 264 VAC
- Built-in active PFC function (APFC)
- Working temperature: -40 °C to +70 °C (see specifications)
- Supports current-sharing redundancy function
- Protections: over voltage / over current / over temperature / short circuit
- Applications: fixed installation, rental, fine-pitch LED displays

Product Model	Input Voltage (VAC)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency (%)	Dimensions (L × W × H) (mm)
MUP260WDT-3.8/2.8-LM-A	100 to 240	260	3.8 / 2.8	30 / 20	86%	160 × 65 × 19
MUP300WMD-4.0/3.2	100 to 240	300	3.8 / 2.8	40 / 30	86%	210 × 60 × 26
MUP400WD-4.2/3.2-D	100 to 240	400	4.2 / 3.2	45 / 35	88%	235 × 68 × 26
MUP500WD-4.2/3.2-D	100 to 240	450	4.2 / 3.2	60 / 40	87%	235 × 68 × 26

Dual Output Common Cathode Series



Key Features

- AC input: 90 to 264 VAC
- Built-in active PFC function (APFC)
- Working temperature: -40 °C to +70 °C (see specifications)
- Protections: over voltage / over current / over temperature / short circuit
- Applications: Fixed installation, rental, fine-pitch LED displays

Product Model	Input Voltage (VAC)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency (%)	Dimensions (L × W × H) (mm)
MCP350WMD-4.2/3.2	100 to 240	350	-4.2 / -3.2	40 / 30	90%	185 × 55 × 28
MCP450WMD-4.3/3.2	100 to 240	450	-4.2 / -3.2	50 / 40	90%	185 × 55 × 28
MCP800WMD-4.3/3.2	100 to 240	800	-4.2 / -3.2	100 / 60	90%	300 × 68 × 32

COB* Low Power Series



Key Features

- AC input: 90 to 264 VAC
- Built-in active PFC function (APFC)
- Working temperature: -40 °C to +70 °C (refer to temperature derating curve)
- Protections: over voltage / over current / over temperature / short circuit
- Applications: rental, fine-pitch LED displays

Product Model	Input Voltage (VAC)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency (%)	Dimensions (L × W × H) (mm)	Remarks
MCP100WT-x.y	100 to 240	100	3.8 to 5.0	25	88%	120 × 50 × 19	-
MUP100WT-x.y	100 to 240	100	3.8 to 5.0	25	87%	120 × 50 × 19	Current Sharing
MCP100WDT-3.8/2.8	100 to 240	100	3.8 / 2.8	15 / 10	86%	120 × 50 × 19	-
MCP100WDT-3.8/2.8	100 to 240	100	3.8 / 2.8	15 / 10	86%	120 × 50 × 19	Current Sharing

*COB: Chip On Board

Slim Series



Key Features

- AC input: 90 to 264 VAC
- Built-in active PFC function (APFC)
- Working temperature: -40 °C to +70 °C (refer to temperature derating curve)
- Protections: over voltage / over current / over temperature / short circuit
- Applications: rental, fine-pitch LED displays

Product Model	Input Voltage (VAC)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency (%)	Dimensions (L × W × H) (mm)
MCP300WAX-x.y	100 to 240	300	3.8 to 5.0	60	92%	226 × 32 × 28
MCP400WAX-x.y	100 to 240 100 to 180	400	3.8 to 5.0	80 64	91%	226 × 32 × 28
MCP400WAL-x.yA	100 to 240	400	3.8 to 5.0	80	90%	220 × 38 × 26

High-Efficiency Power Supply Series

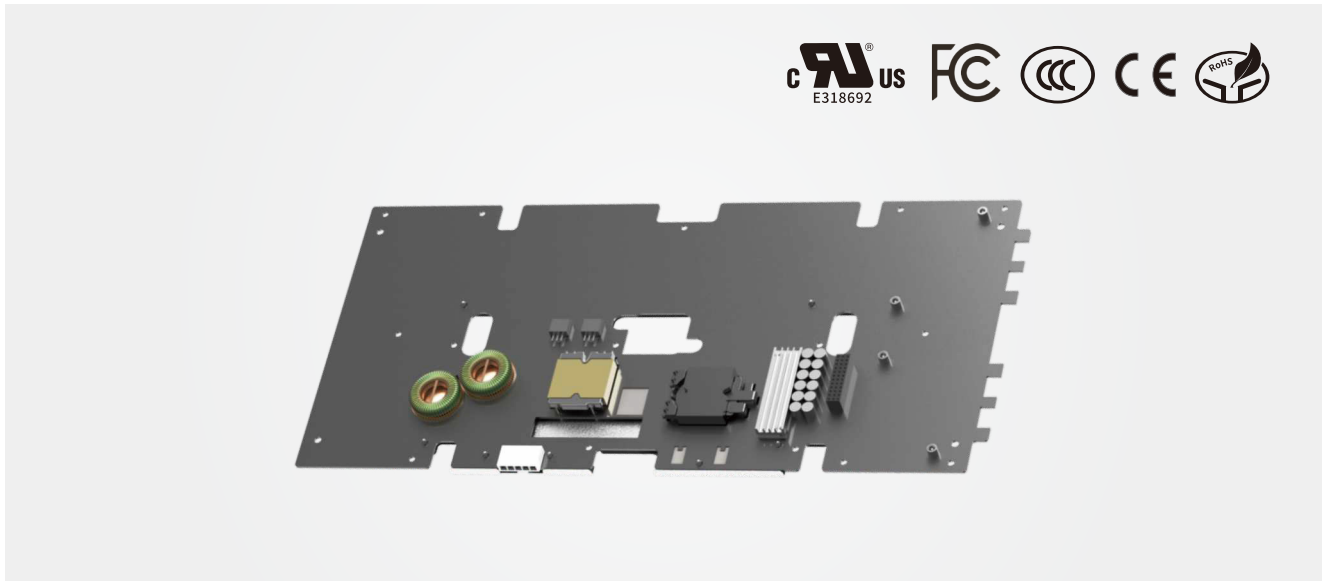


Key Features

- Efficiency up to 94.5% at 220 VAC input
- AC input: 90 to 264 VAC
- Built-in active PFC function (APFC)
- Applications: rental, fine-pitch LED displays
- Protections: over voltage / over current / over temperature / short circuit
- Working temperature: -40 °C to +70 °C (see specification sheet)

Product Model	Input Voltage (VAC)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency (%)	Dimensions (L × W × H) (mm)
MCGP300WS-x.y	100 to 240	300	3.8 to 5.0	60	94.5%	180 × 55 × 26

Multi-in-One Customized Series



Key Features

- AC input: 90 to 264 VAC
- Supports no-load standby operation
- Supports dual output voltage
- Low standby current: ≤ 0.3 mA
- Applications: fine-pitch LED displays, all-in-one displays, COB displays
- Ultra-thin design, overall height 13 mm
- Protections: over voltage / over current / over temperature / short circuit
- Supports system-level certification
- Supports dual-backup redundancy

Product Model	Input Voltage (VAC)	Output Power (W)	Output Voltage (VDC)	Output Current (A)	Efficiency (%)	Dimensions (L × W × H) (mm)
MCI75WS	100 to 240	75	Customized	15	88%	Customized
MCH100WT	100 to 240	100	Customized	25	90%	Customized
MCH200WT	100 to 240	200	Customized	40	90%	Customized

LED All-in-One Solution

Power Management Module



Key Features

- AC input: 90 to 264 VAC
- Dual outputs, independently controllable; 4400W AC output
- Independently controllable DC outputs: 5V/10A, 12V/11A, 18V/7A
- Applications: LED all-in-one displays
- Protections: over voltage / over current / over temperature / short circuit
- Independent 5V/1A auxiliary output supporting low-power standby mode

Product Model	Input Voltage (VAC)	Dimensions (L × W × H) (mm)	Output Parameters	Output Voltage (VAC)	Output Current (A)
MCC260W-1812	100 to 240	345 × 82 × 21	AC OUT1	100 to 240	20
			AC OUT2	100 to 240	20
			Output Parameters	Output Voltage (VDC)	Output Current (A)
			DC V1	18	5
			DC V2	12	9
			DC V3	5	10
			DC V5SB	5	1.5

Power Solutions

- ☐ Telecom Power
- ☐ Medical Power
- ☐ Display Power
- ☐ Enclosed Power
- ☒ LED Power
- ☐ Laser Power
- ☐ OA Power
- ☐ Electric Power
- ☐ Datacenter and Networking Power Solutions
- ☐ Solar & BESS & EV Charging Solution
- ☐ Bi-directional Inverters for Portable Power

Industrial Automation

- ☐ Servo System
- ☐ Control System
- ☐ Elevator Controller
- ☐ Linear Motors
- ☐ IoT Solution
- ☐ Encoder
- ☐ Variable Frequency Drive
- ☐ Internal Gear Pump

eMobility & EV Infrastructure

- ☐ Integrated Charging System (OBC & DC-DC)
- ☐ Power Electronic Unit (2-in-1, 3-in-1)
- ☐ E-Compressor
- ☐ TV EDU
- ☐ Inverter
- ☐ Construction Machinery Controller
- ☐ Intelligent Active Hydraulic Suspension (i-AHS)
- ☐ Railway A/C Controller
- ☐ Railway VFD
- ☐ Thermal Mgmt. System
- ☐ Light Electric Vehicle Motors, Inverters, and Charging System

Intelligent Equipment

- ☐ Intelligent Welding
- ☐ Electric Submersible-Progressing Cavity Pump
- ☐ Industrial Microwave
- ☐ Polysilicon Water Quenching Equipment
- ☐ Automatic Car Washing Machine
- ☐ Intelligent Lifting Devices

Consumer and Lifestyle Electronics

- ☐ Residential A/C Controller
- ☐ Commercial A/C Controller
- ☐ Heat Pump Controller
- ☐ Vehicle A/C Controller
- ☐ Solar A/C Controller
- ☐ Mini Compressor Controller
- ☐ Refrigerator Controller
- ☐ Washer/Dryer Controller
- ☐ Residential Microwave
- ☐ Industrial Microwave
- ☐ Smart Bidet
- ☐ RF Thawing System
- ☐ FFC
- ☐ FPC
- ☐ Coaxial Cable
- ☐ CCS
- ☐ Litz Wire
- ☐ Peek Wire

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