

Power Solutions

- ☐ Telecom Power
- ☐ Server Power
- ☐ Electric Power
- ☐ Medical Power
- ☐ Display Power
- ☐ LED Power
- ☐ Laser Power
- ☐ OA Power
- ☐ Flat Panel Power
- ☐ Bi-directional Inverters for Portable Power
- ☐ Solar & BESS & EV Charging Solution

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

Home Appliance Control Solutions

- ☐ 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

Precision Connection

- ☐ FFC
- ☐ FPC
- ☐ Coaxial Cable
- ☐ CCS
- ☐ Litz Wire
- ☐ Peek Wire

SHENZHEN MEGMEET ELECTRICAL CO., LTD.

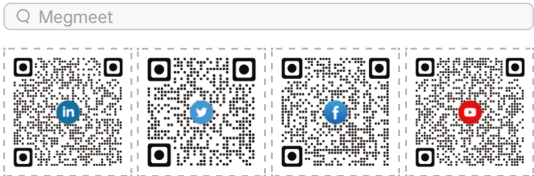
Add 1: 5th Floor, Block B, Unisplendour Information Harbor,
Langshan Rd., Science & Technology Park, Nanshan District,
Shenzhen, 518057, China

Add 2: 34th Floor, High-tech Zone Union Tower, No.63 Xuefu
Road, Nanshan District, Shenzhen, 518057, China

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Megmeet reserves the right to modify the technical parameters and appearance of the products in this catalogue without prior advice to the users.

FOLLOW US



Industrial Power Supply Solution

Relying on 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.



ABOUT MEGMEET

MEGMEET is a comprehensive solution provider for hardware and software R&D, production, sales, and service in the field of electrical automation. With power electronics and automation control at its core, MEGMEET's main businesses include Power Solutions, Industrial Automation, eMobility & EV Infrastructure, Intelligent Equipment, Home Appliance Control Solutions, and Precision Connection.

MEGMEET is committed to creating a cleaner living environment for all human beings through more efficient energy utilization and improved manufacturing efficiency. MEGMEET aims to become the world leader in electrical automation and achieve the goal of MEGMEET EVERYWHERE.

**2800+**
R&D Staff

**10**
R&D Centers

**8200+**
Total Employees

**9**
Manufacturing Centers

**1990+**
No. of Patents & IP Rights



GLOBAL R&D CENTERS

MEGMEET has established R&D centers in Shenzhen, Zhuzhou, Changsha, Xi'an, Wuhan, Hangzhou, Taizhou, Chengdu, USA and Germany.



Shenzhen, China



Changsha, China

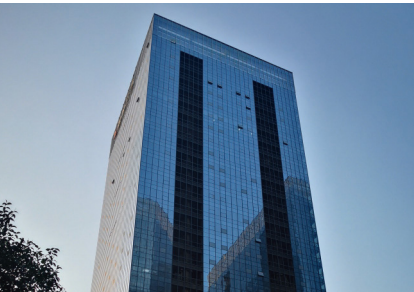
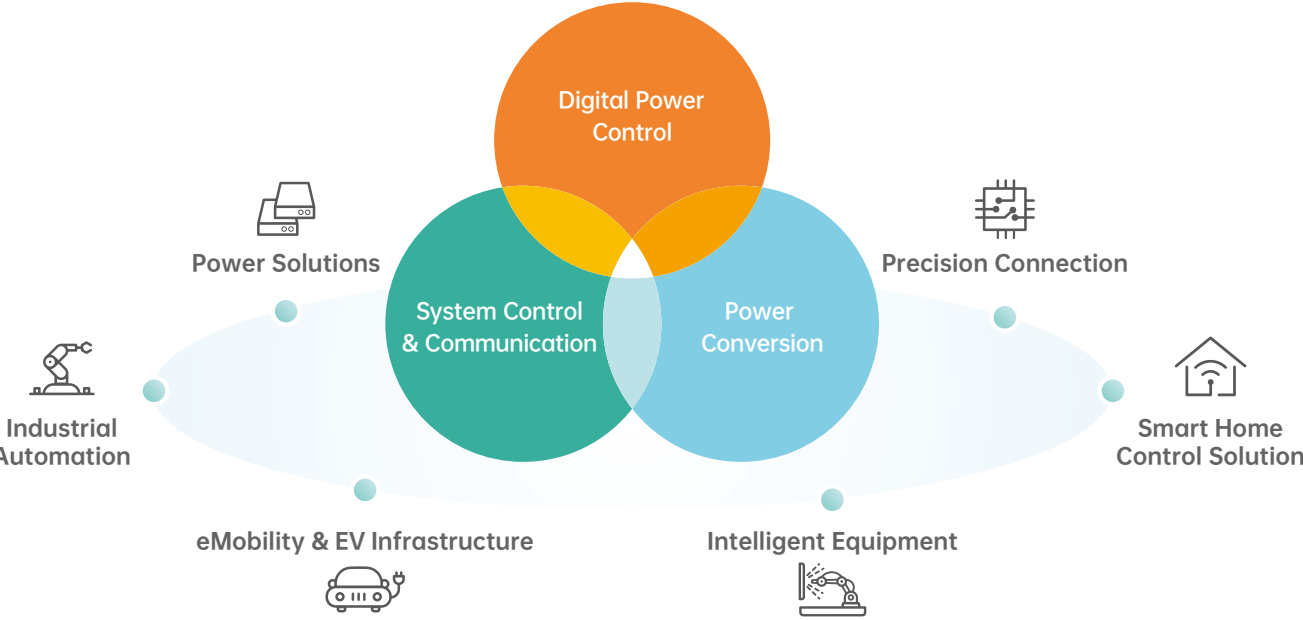


San Jose, USA



Bielefeld, Germany

CORE TECHNOLOGIES



Xi'an, China



Wuhan, China



Zhuzhou, China



Hangzhou, China



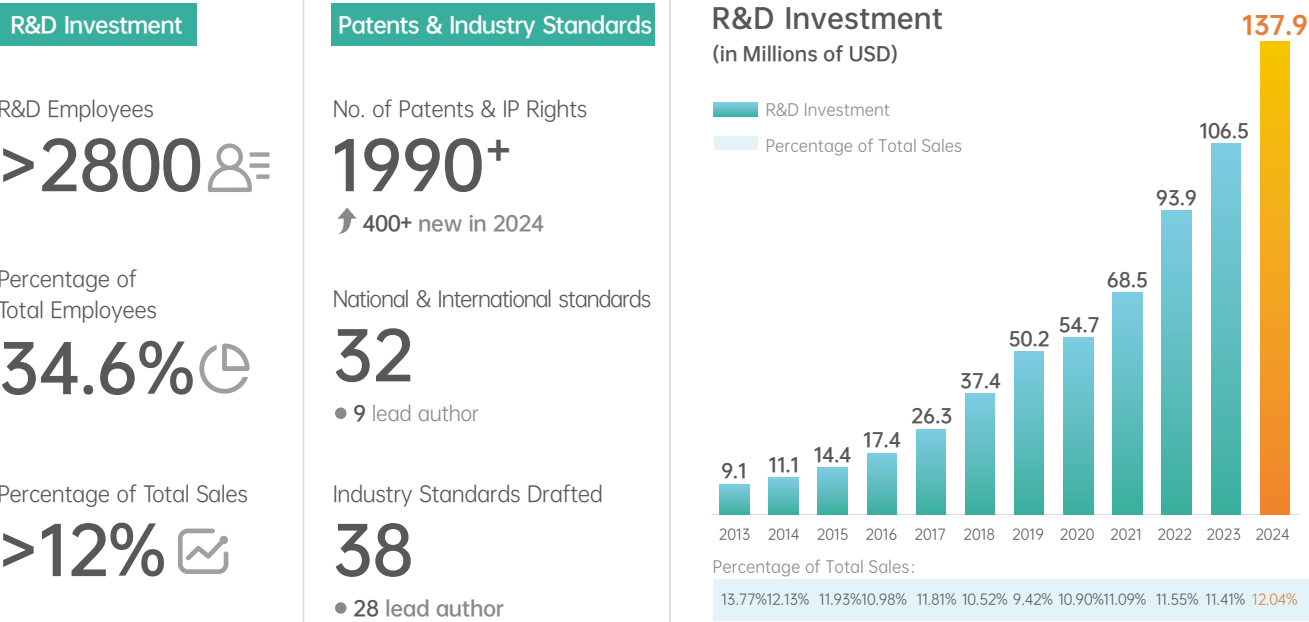
Taizhou, China



Chengdu, China

R&D CAPABILITY

Sustainable R&D Investment



Testing Capabilities & Management System



MEGMEET's testing capabilities and management system have been certified by CNAS, TUV, UL-WTDP, & UL-CTF. MEGMEET's test results are recognized globally.

MANUFACTURING CAPACITY

Global Manufacturing Centers to Ensure Customer Supply



FY2023	Total Plant Area 422,492 m²	Production Lines 184	PCBA per Year 90M PCS
By FY2028	Total Plant Area 666,518 m²	Production Lines 390	PCBA perYear 284M PCS

Flat Panel Power Supply

35W/50W Series

Application fields: Industrial control system, mechanical and electrical equipment, electronic instruments, household appliances, etc.



Key Features

- Input: 85 to 264VAC/120 to 370VDC
- Operating temperature: -30 to 70℃
- Operating altitude up to 5000m
- High efficiency, high reliability, small size
- Full protection function: OCP/OVP/SCP
- With conforming coating and terminal cover
- Over voltage category III
- Natural air cooling
- LED indicator for power on

Parameter	MPT35-5V*	MPT35-12V*	MPT35-24V*	MPT35-48V*	MPT50-5V	MPT50-12V	MPT50-24V	MPT50-48V
Input Voltage	85 to 264VAC/120 to 370VDC							
Frequency Range	(50 to 60Hz)±5%							
Efficiency	82.0%	86.0%	88.0%	89.0%	86.0%	86.0%	89.0%	90.0%
Inrush Current(Cold Start)	<50A @ 230VAC, 25°C							
Output Voltage	5V	12V	24V	48V	5V	12V	24V	48V
Output Regulation Range	±1%							
Output Current	7.00A	3.00A	1.50A	0.80A	10.00A	4.20A	2.20A	1.10A
Adjustable Voltage Range	4.5 to 5.5V	10.2 to 13.8V	21.6 to 28.8V	43.2 to 52.8V	4.5 to 5.5V	10.2 to 13.8V	21.6 to 28.8V	43.2 to 52.8V
RIPPLE & NOISE (max.)*	≤80mVp-p	≤120mVp-p	≤150mVp-p	≤200mVp-p	≤80mVp-p	≤120mVp-p	≤150mVp-p	≤200mVp-p
Hold-up Time at Full Load	≥30ms @ 230VAC, 25°C				≥45ms @ 230VAC, 25°C			
Protection Function	Over current/over voltage/short circuit							
Operating Temperature	-30°C to 70°C. Can be started at -40°C							
EMI	Meet EN55032 class B ; IEC/EN61000-3-2 class A							
EMS	Meet IEC/EN61000-4-2, 3, 4, 5, 6, 8, 11							
Safety Regulations	Meet IEC/EN62368-1, UL 62368-1							
Dimensions	99mm x 82mm x 30mm							
Approvals	Pending				UL/CE/CB/UKCA/CCC/KC/RCM/FCC/BSMI			

Note: The model with * is under development or upgrade

Flat Panel Power Supply

75W/100W Series

Application fields: Industrial control system, mechanical and electrical equipment, electronic instruments, household appliances, etc.



Key Features

- Input: 85 to 264VAC/120 to 370VDC
- Operating temperature: -30 to 70℃
- Operating altitude up to 5000m
- High efficiency, high reliability, small size
- Full protection function: OCP/OVP/SCP
- With conforming coating and terminal cover
- Over voltage category III
- Natural air cooling
- LED indicator for power on

Parameter	MPT75-12V	MPT75-24V	MPT75-36V*	MPT75-48V	MPT100-12V	MPT100-15V*	MPT100-24V	MPT100-36V*	MPT100-48V
Input Voltage	85 to 264VAC/120 to 370VDC								
Frequency Range	(50 to 60Hz)±5%								
Efficiency	88.0%	90.0%	90.0%	91.5%	86.5%	86.5%	89.5%	89.5%	90.5%
Inrush Current(Cold Start)	<65A @ 230VAC, 25°C				<45A @ 230VAC, 25°C				
Output Voltage	12V	24V	36V	48V	12V	15V	24V	36V	48V
Output Regulation Range	±1%								
Output Current	6.00A	3.20A	2.10A	1.60A	8.50A	7.00A	4.50A	2.80A	2.30A
Adjustable Voltage Range	10.2 to 13.8V	21.6 to 28.8V	32.4 to 39.6V	43.2 to 52.8V	10.2 to 13.8V	13.5 to 18.0V	21.6 to 28.8V	32.4 to 39.6V	43.2 to 52.8V
RIPPLE & NOISE (max.)*	≤100mVp-p	≤150mVp-p	≤200mVp-p	≤200mVp-p	≤100mVp-p	≤120mVp-p	≤150mVp-p	≤200mVp-p	≤200mVp-p
Hold-up Time at Full Load	≥60ms @ 230VAC, 25°C				≥55ms @ 230VAC, 25°C				
Protection Function	Over current/over voltage/short circuit								
Operating Temperature	-30°C to 70°C. Can be started at -40°C								
EMI	Meet EN55032 class B ; IEC/EN61000-3-2 class A								
EMS	Meet IEC/EN61000-4-2, 3, 4, 5, 6, 8, 11								
Safety Regulations	Meet IEC/EN62368-1, UL 62368-1								
Dimensions	99mm x 82mm x 30mm					129mm x 97mm x 30mm			
Approvals	UL/CE/CB/UKCA/CCC/KC/RCM/FCC/BSMI					UL/CE/CB/UKCA/CCC/KC/RCM/FCC/BSMI			

Note: The model with * is under development or upgrade

Flat Panel Power Supply

150W Series

Application fields: Industrial control system, mechanical and electrical equipment, electronic instruments, household appliances, etc.



Key Features

- Input: 85 to 264VAC/120 to 370VDC
- High efficiency, high reliability, small size
- Over voltage category III
- Operating temperature: -30 to 70℃
- Full protection function: OCP/OVP/SCP
- Natural air cooling
- Operating altitude up to 5000m
- With conforming coating and terminal cover
- LED indicator for power on

Parameter	MPT150-12V	MPT150-24V	MPT150-36V*	MPT150-48V
Input Voltage	85 to 264VAC/120 to 370VDC			
Frequency Range	(50 to 60Hz)±5%			
Efficiency	86.5%	89.0%	89.0%	89.0%
Inrush Current(Cold Start)	<60A @ 230VAC, 25℃			
Output Voltage	12V	24V	36V	48V
Output Regulation Range	±1%			
Output Current	12.50A	6.50A	4.30A	3.30A
Adjustable Voltage Range	10.2 to 13.8V	21.6 to 28.8V	32.4 to 39.6V	43.2 to 52.8V
RIPPLE & NOISE (max.)*	≤150mVp-p	≤200mVp-p	≤200mVp-p	≤200mVp-p
Hold-up Time at Full Load	≥16ms @ 230VAC, 25℃			
Protection Function	Over current/over voltage/short circuit/over temperature			
Operating Temperature	-30℃ to 70℃. Can be started at -40℃			
EMI	Meet EN55032 class B; IEC/EN61000-3-2 class A(below 80% load)			
EMS	Meet IEC/EN61000-4-2, 3, 4, 5, 6, 8, 11			
Safety Regulations	Meet IEC/EN62368-1, UL 62368-1			
Dimensions	159mm x97mm x 30mm			
Approvals	UL/CE/CB/UKCA/CCC/KC/RCM/FCC/BSMI			

Note: The model with * is under development or upgrade

Flat Panel Power Supply

210W/350W Series

Application fields: Industrial control system, mechanical and electrical equipment, electronic instruments, household appliances, etc.



Key Features

- Input: 90 to 132VAC/180 to 264VAC
- High efficiency, high reliability, small size
- Over voltage category III
- Operating temperature: -30 to 70℃
- Full protection function: OCP/OVP/SCP/OTP
- LED indicator for power on
- Operating altitude up to 5000m
- With conforming coating and terminal cover

Parameter	MPT210-12V*	MPT210-24V*	MPT210-36V*	MPT210-48V*	MPT350-12V-F	MPT350-24V-F	MPT350-36V-F*	MPT350-48V-F
Input Voltage	90 to 132VAC/180 to 264VAC by switch; 240 to 370VDC(Switch in position of 230)							
Frequency Range	(50 to 60Hz)±5%							
Efficiency	87.5%	88.5%	89.0%	89.5%	85.0%	87.0%	88.5%	89.0%
Inrush Current(Cold Start)	<60A @ 230VAC, 25℃				<60A @ 230VAC, 25℃			
Output Voltage	12V	24V	36V	48V	12V	24V	36V	48V
Output Regulation Range	±1%							
Output Current	17.00A	8.80A	5.80A	4.40A	29.00A	14.60A	9.70A	7.30A
Adjustable Voltage Range	10.2 to 13.8V	21.6 to 28.8V	32.4 to 39.6V	43.2 to 52.8V	10.2 to 13.8V	21.6 to 28.8V	32.4 to 39.6V	43.2 to 52.8V
RIPPLE & NOISE (max.)*	≤150mVp-p	≤150mVp-p	≤200mVp-p	≤200mVp-p	≤150mVp-p	≤150mVp-p	≤200mVp-p	≤200mVp-p
Hold-up Time at Full Load	≥16ms @ 230VAC, 25℃							
Protection Function	Over current/over voltage/short circuit/over temperature							
Operating Temperature	-30℃ to 70℃. Can be started at -40℃							
EMI	Meet EN55032 class A							
EMS	Meet IEC/EN61000-4-2, 3, 4, 5, 6, 8, 11							
Safety Regulations	Meet IEC/EN62368-1, UL 62368-1							
Dimensions	215mm x 115mm x 30mm				215mm x 115mm x 30mm			
Approvals	Pending				UL/CE/CB/UKCA/CQC/KC/RCM/FCC/BSMI			

Note: The model with * is under development or upgrade

High Power Flat Panel Power Supply

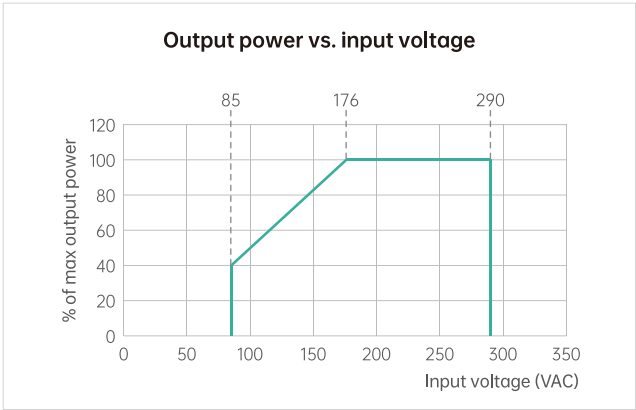
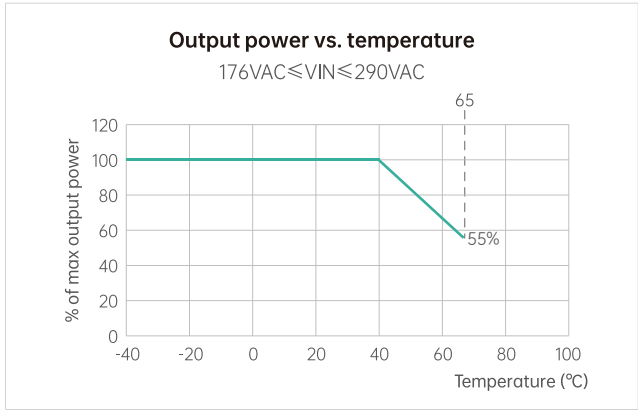
MR242000MG1-S



CE

- Input: 85~290VAC,320VAC surge input without damage
- Active PFC
- Full protection function: OCP/OVP/SCP
- Active current sharing up to 14KW (7+1)
- Full protection function: OCP/OVP/SCP

AC Input		DC Output	
Input Voltage(Nominal)	110VAC / 220VAC	Output Voltage	25.5V
Input Voltage Range	85 to 290VAC	Peak Efficiency	> 92%
Inrush Current(Cold Start)	<20A@230Vac,25°C(Cold Start)	Maximum Capacity	2000W
Input Frequency	45 to 65Hz	Maximum Output Current	80A
Power Factor	≥0.99(220VAC @ 20% to 100% load)	Hold-up Time at Full Load	≥10ms@230Vac,25°C
Control and Monitor		Environment	
Communication Protocol	CAN	EMC	En55032class A; En55035; IEC61000-3-2;IEC61000-3-3
LED	Green-normal; yellow-alarm; red-fault	Safety	EN62368-1



High Power Flat Panel Power Supply

MR483000HG2B-GS1



CE cULus CB

- Input: 85~290VAC,320VAC surge input without damage
- Active PFC
- Full protection function: OCP/OVP/SCP
- Active current sharing up to 14KW (7+1)
- Full protection function: OCP/OVP/SCP

AC Input		DC Output	
Input Voltage(Nominal)	110VAC / 220VAC	Output Voltage	48V
Input Voltage Range	85 to 290VAC	Peak Efficiency	> 96%
Inrush Current(Cold Start)	<20A@230Vac,25°C(Cold Start)	Maximum Capacity	3000W
Input Frequency	45 to 65Hz	Maximum Output Current	56.1A
Power Factor	≥0.99(220VAC @ 20% to 100% load)	Hold-up Time at Full Load	≥10ms@230Vac,25°C
Control and Monitor		Environment	
Communication Protocol	CAN	EMC	EN55032 class B; EN55035; IEC61000-3-2; IEC61000-3-3
LED	Green-normal; yellow-alarm; red-fault	Safety	UL62368-1; EN62368-1; IEC62368-1

