

Power Solutions

- Telecom Power
- Medical Power
- Flat Panel Power
- Electric Power
- Display Power
- LED Power
- Laser Power
- OA 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)
- E-Compressor
- TV EDU
- Inverter
- Intelligent Active Hydraulic Suspension (i-AHS)
- Thermal Mgmt. System
- Power Electronic Unit (2-in-1, 3-in-1)
- Construction Machinery Controller
- Railway A/C Controller
- Railway VFD
- Light Electric Vehicle Motors, Inverters, and Charging System

Intelligent Equipment

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

Home Appliance Control Solutions

- Residential A/C Controller
- Vehicle A/C Controller
- Refrigerator Controller
- Industrial Microwave
- Commercial A/C Controller
- Solar A/C Controller
- Washer/Dryer Controller
- Smart Bidet
- Heat Pump Controller
- Mini Compressor Controller
- Residential Microwave
- RF Thawing System

Precision Connection

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

SHENZHEN MEGMEET ELECTRICAL CO., LTD.

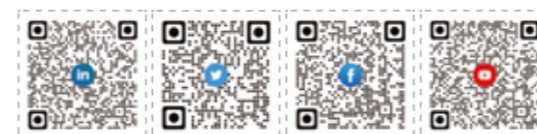
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Version: 202507

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LED Power Supply Solutions

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.




About MEGMEET


MEGMEET is a \$1.2B global power solutions company specializing in high-efficiency energy solutions for data centers, electric mobility, medical, industrial automation and renewable energy. With R&D, manufacturing facilities and global operations across North America, India, Thailand, China and Germany, MEGMEET is committed to powering a cleaner future.



Core Technology

 **21%**
YoY Revenue Growth

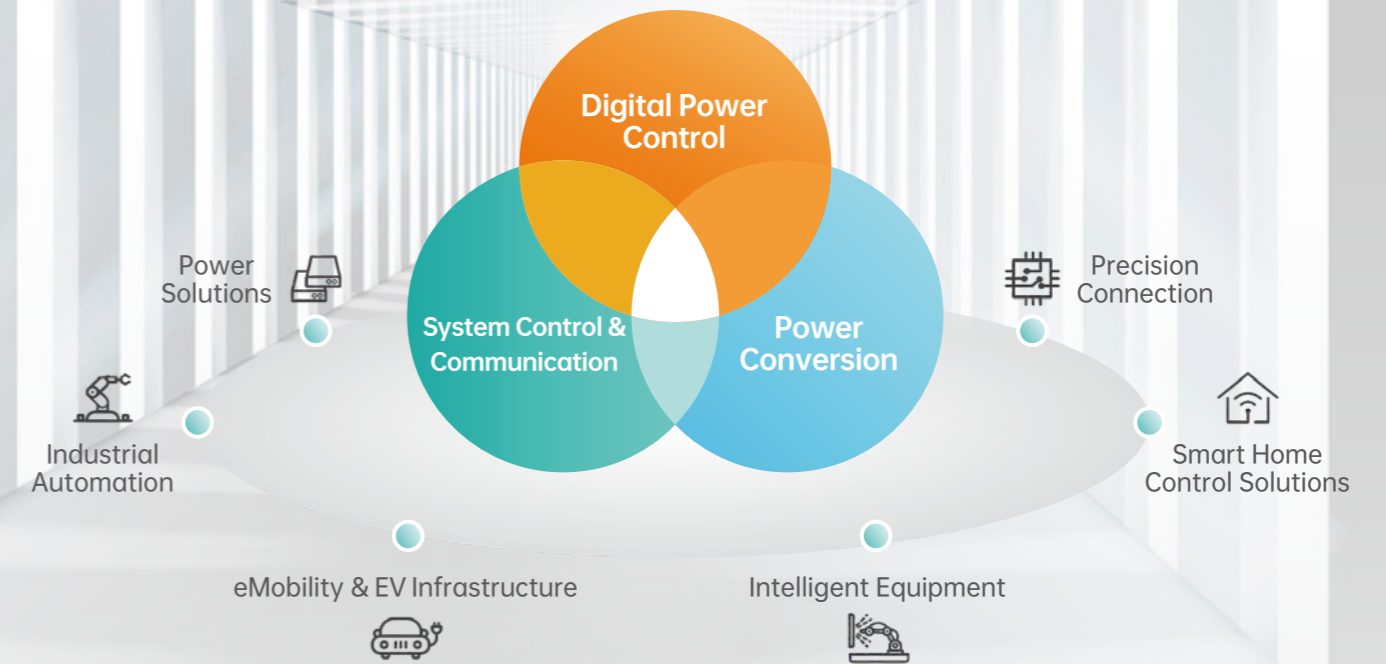
 **10**
R&D Centers

 **9**
Manufacturing Centers

 **3,000+**
R&D Staff

 **8,400+**
Total Employees

 **1,990+**
No. of Patents & IP Rights



Half Range Input Series

Megmeet LED display power supplies utilize a robust power electronics technology conversion solution, offering exceptional power density, compact dimensions, and slim profiles. This results in a reduction in LED display screen thickness and weight while ensuring high reliability and substantial load capacity.



Key Features

- Built-in active PFC function
- Strong load capacity
- Protections: over voltage / overload / over temperature / short circuit
- Working temperature: -40 °C to +70 °C
- Low cost, high reliability
- Fanless design, cooling by free air convection

| Parameter | MCP200CL-4.2 | MCP200CST-4.2 | MCP300CL-4.5 |
|------------------------|---------------------|--------------------|--------------------|
| AC Input Voltage Range | 180 to 264 VAC | | |
| Frequency Range | 47 to 63 Hz | | |
| Input Fuse | T5AL / 250 VAC | | |
| Power Factor | > 0.95 | | |
| Efficiency | 86% | 87% | 90% |
| Output Voltage | 4.2 V, 4.5 V, 5.0 V | 4.2 V, 4.5 V | 4.5 V |
| Output Current | 40.00 A | 40.00 A | 60.00 A |
| DC Adjustment Range | ± 5% | | |
| EMC Standards | Class A | | |
| Dimension (D x W x H) | 208 x 59 x 31 (mm) | 165 x 56 x 19 (mm) | 190 x 60 x 26 (mm) |
| Safety Standards | CCC, CE | | |

Full Range Input Series

Megmeet LED display power supplies utilize a robust power electronics technology conversion solution, offering exceptional power density, compact dimensions, and slim profiles. This results in a reduction in LED display screen thickness and weight while ensuring high reliability and substantial load capacity.



Key Features

- Built-in active PFC function
- No derating at low input voltage, strong load capacity
- Protections: over voltage / overload / over temperature / short circuit
- Working temperature: -40 °C to +70 °C
- High power density
- Fanless design, cooling by free air convection

| Parameter | MCP200WS-4.2A-B | MCP300WS-4.2A-B | MCP300WCS-4.2-GL | MCP300WAX-4.2 | MCP400WCS-4.2 | MCP500WCL-4.0 |
|------------------------|----------------------------|--------------------|----------------------------|---------------------|---------------------|---------------------|
| AC Input Voltage Range | 96 to 264 VAC | | | | | |
| Frequency Range | 47 to 63 Hz | | | | | |
| Input Fuse | T5AL / 250 VAC | | | | | |
| Power Factor | > 0.95 | | | | | |
| Efficiency | 88% | 90% | 90% | 92% | 91% | 90% |
| Output Voltage | 3.8 V, 4.2 V, 4.5 V, 5.0 V | 4.2 V, 4.5 V | 3.8 V, 4.2 V, 4.5 V, 5.0 V | 4.2 V, 4.5 V, 5.0 V | 4.2 V, 4.5 V, 5.0 V | 4.0 V, 4.2 V, 4.5 V |
| Output Current | 45.00 A | 60.00 A | 60.00 A | 60.00 A | 80.00 A | 100.00 A |
| DC Adjustment Range | ± 5% | | | | | |
| EMC Standards | Class B | | | | | |
| Dimension (D x W x H) | 165 x 56 x 26 (mm) | 165 x 56 x 26 (mm) | 210 x 80 x 26 (mm) | 226 x 32 x 28 (mm) | 185 x 68 x 26 (mm) | 247 x 46 x 26 (mm) |
| Safety Standards | CCC, CE, CB, UL | | | | | |

Ultra-thin Series

Megmeet LED display power supplies utilize a robust power electronics technology conversion solution, offering exceptional power density, compact dimensions, and slim profiles. This results in a reduction in LED display screen thickness and weight while ensuring high reliability and substantial load capacity.



Key Features

- Built-in active PFC function
- No derating at low input voltage, strong load capacity
- Protections: over voltage / overload / over temperature / short circuit
- Working temperature: -40 °C to +70 °C
- High power density
- Fanless design, cooling by free air convection

| Parameter | MCP200WLT-4.2 | MUP200WLT-4.2 | MCP100WT-4.2 | MCP400WST-4.2 |
|------------------------|--------------------|--------------------|--------------------|--------------------|
| AC Input Voltage Range | 96 to 264 VAC | | | |
| Frequency Range | 47 to 63 Hz | | | |
| Input Fuse | T5AL / 250 VAC | | | |
| Power Factor | > 0.95 | | | |
| Efficiency | 89% | 89% | 89% | 91% |
| Output Voltage | 3.8 V, 4.2 V | 3.8 V, 4.2 V | 3.8 V, 4.2 V | 4.2 V, 4.5 V |
| Output Current | 45.00 A | 45.00 A | 25.00 A | 80.00 A |
| DC Adjustment Range | ± 5% | | | |
| EMC Standards | Class B | | | |
| Current Share | No | Yes | No | No |
| Dimension (D x W x H) | 160 x 50 x 19 (mm) | 160 x 50 x 19 (mm) | 120 x 50 x 19 (mm) | 233 x 55 x 19 (mm) |
| Safety Standards | CCC, CE, CB, UL | | | |

Dual Output Common Cathode Series

Megmeet LED display power supplies utilize a robust power electronics technology conversion solution, offering exceptional power density, compact dimensions, and slim profiles. This results in a reduction in LED display screen thickness and weight while ensuring high reliability and substantial load capacity.



Key Features

- Built-in active PFC function
- No derating at low input voltage, strong load capacity
- Protections: over voltage / overload / over temperature / short circuit
- Working temperature: -40 °C to +70 °C
- High power density
- Fanless design, cooling by free air convection

| Parameter | MCP260WD-3.8/2.8-EB | MCP300WCD-4.2/3.2 | MCP400WD-4.2/3.2-A-D |
|------------------------|------------------------------|------------------------------|---|
| AC Input Voltage Range | 96 to 264 VAC | | |
| Frequency Range | 47 to 63 Hz | | |
| Input fuse | T5AL / 250 VAC | | |
| Power Factor | > 0.95 | | |
| Efficiency | 86% | 86% | 87% |
| Output Voltage | 3.8 V / 2.8 V, 4.2 V / 3.2 V | 3.8 V / 2.8 V, 4.2 V / 3.2 V | 3.8 V / 2.8 V, 4.0 V / 3.0 V, 4.2 V / 3.2 V |
| Output Current | 30.00 A / 20.00 A | 40.00 A / 30.00 A | 45.00 A / 35.00 A |
| DC Adjustment Range | ± 5% | ± 5% | ± 2% |
| EMC Standards | Class B | | |
| Current Share | No | | |
| Dimension (D x W x H) | 165 x 56 x 26 (mm) | 185 x 64 x 26 (mm) | 225 x 68 x 26 (mm) |
| Safety Standards | CCC, CE, CB, UL | | |

N+1 Current Load Sharing Series

Megmeet LED display power supplies utilize a robust power electronics technology conversion solution, offering exceptional power density, compact dimensions, and slim profiles. This results in a reduction in LED display screen thickness and weight while ensuring high reliability and substantial load capacity.



Key Features

- Built-in active PFC function
- No derating at low input voltage, strong load capacity
- Protections: over voltage / overload / over temperature / short circuit
- Working temperature: -40 °C to +70 °C
- High power density
- Fanless design, cooling by free air convection

| Parameter | MUP200-4.2A-B | MUP300-4.5R | MUP400-4.5R | MUP400WL-4.3 |
|------------------------|--------------------|--------------------|--------------------|--------------------|
| AC Input Voltage Range | 96 to 264 VAC | | | |
| Frequency Range | 47 to 63 Hz | | | |
| Input fuse | T5AL / 250 VAC | | | |
| Power Factor | > 0.95 | | | |
| Efficiency | 88% | 88% | 88% | 91% |
| Output Voltage | 4.2 V, 4.5 V | 4.5 V | 4.5 V | 4.3 V |
| Output Current | 45.00 A | 60.00 A | 80.00 A | 80.00 A |
| DC Adjustment Range | ± 5% | | | |
| EMC Standards | Class B | | | |
| Dimension (D x W x H) | 165 x 56 x 26 (mm) | 165 x 56 x 26 (mm) | 180 x 56 x 26 (mm) | 246 x 46 x 26 (mm) |
| Safety Standards | CCC, CE, CB, UL | | | |

Centralized SELV Power System

The M45D65B sub-rack power system is ideal for LED displays requiring safe touch voltages or centralized power for large-scale projects, with its compact design, 300 A output, and various power configurations.



Key Features

- Upgradable for MR484000 rectifiers (20 kW n+1 redundant)
- Supports ethernet, SNMP, ModBus and RS485 communication interfaces
- High efficiency up to 97% for lower operating cost
- Utilizes 6 x MR483000 rectifiers (15 kW n+1 redundant)

| AC Distribution | | DC Distribution | |
|---------------------|--|-----------------------|--|
| Input Mode | 220 VAC single-phase | Output Voltage | -42 to -58 VDC, rated value: -53.5 VDC |
| Input Capacity | 32 A / 2P x 1 terminal | Battery Breakers | 125 A / 1P x 2 |
| Input Frequency | 45 to 66 Hz, rated value: 50 Hz / 60 Hz | Load Breakers | Llvd: 32A/1P x 2 + 40A/1P x 2 + 63A/1P x 3 Blvd: 6A/1P x 2 + 10A/1P x 2 + 16A/1P x 2 |
| SPD | 20 kA / 40 kA, 8 / 20 μs | SPD | 10 kA / 20 kA, 8 / 20 μs |
| Rectifier | | Controller | |
| Input Voltage | 85 to 290 VAC, rated 220 VAC | Signal Input | 3AI (2 battery temp., 1 ambient temp.), 2 RS485, 7 DI |
| Efficiency | > 96% | Alarm Output | 6 dry contact |
| Rated Power | 3000 W (176 to 290 VAC) | Communication Port | RS485, SNMP |
| Working Temperature | -10 °C to +75 °C (fully output below +55 °C) | Display Mode | LCD |
| System | | Environment | |
| Cooling Mode | Fan cooling | Operating Temperature | -10 °C to +55 °C |
| Cabling Mode | Top inlet and top outlet | Storage Temperature | -40 °C to +75 °C |
| Maintenance Mode | Front maintenance | Operating Humidity | 5 to 95% (non-condensing) |
| Protection Level | IP20 | Altitude | 0 to 4000 m (if the altitude is within the range of 3000 to 4000 m, the maximum operating temperature decreases by +1 °C as the altitude increases by 200 m) |

* This is a standard Megmeet power system. Customized design is available.