

Datacenter and Networking Power Solution

Revolutionizing Datacenter Power

MEGMEET delivers advanced power solutions that span the full spectrum of communications infrastructure high-efficiency modules for networking equipment to fully integrated turnkey datacenter systems. Purpose-built for performance, our products offer exceptional power density, reliability, and energy efficiency to support critical applications across core routers, edge devices, and hyperscale environments. With compact designs and long-term durability, MEGMEET empowers networks and datacenters to achieve superior system performance while minimizing operational costs and environmental impact.



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 datacenter and networking power.



21%
YoY Revenue Growth



10
R&D Centers



9
Manufacturing Centers



23%
R&D Staff



13,000+
Total Employees



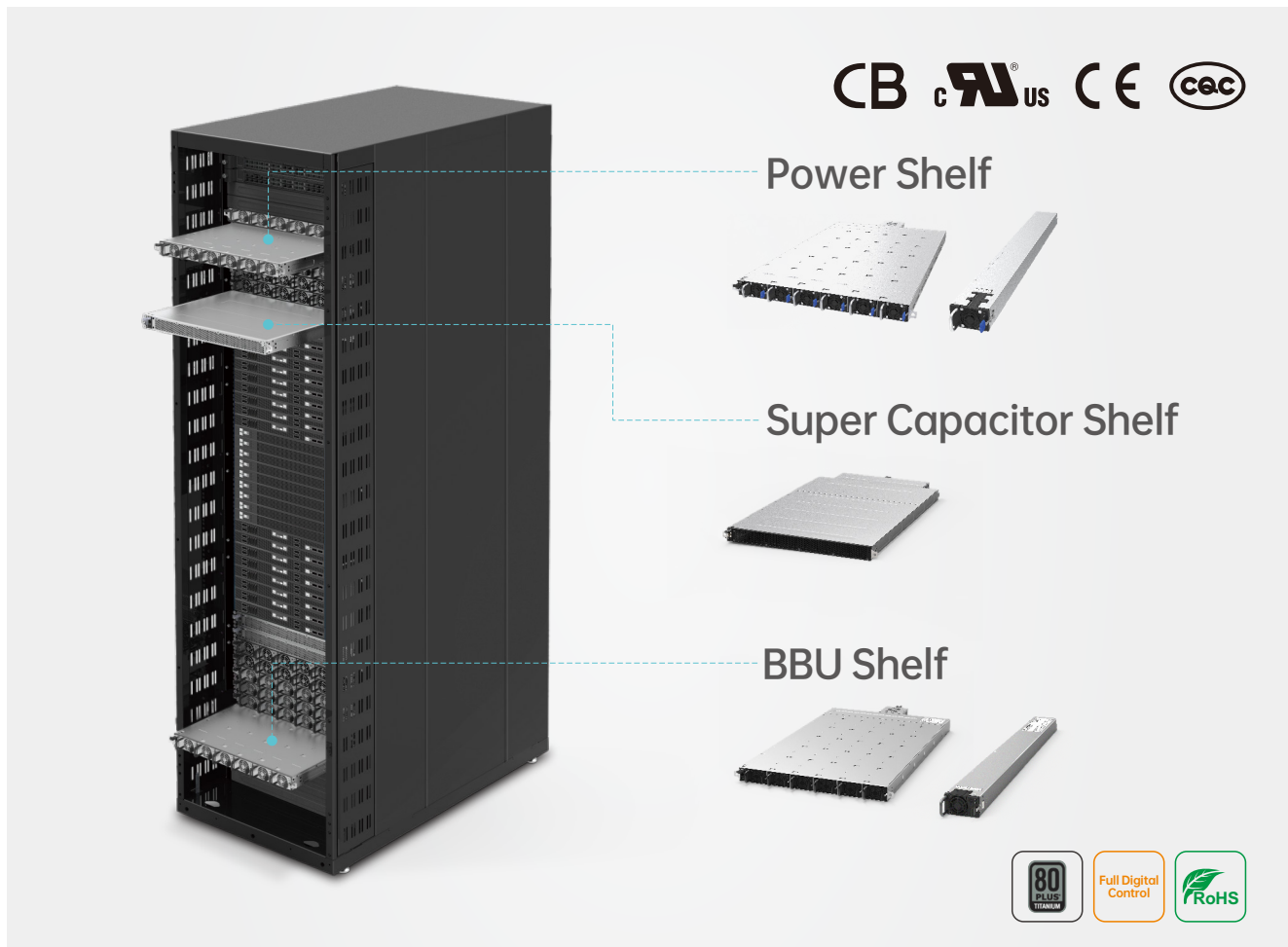
1,990+
No. of Patents & IP Rights

AI Server Rack Power Solution

MEGMEET's Turnkey Solutions for AI Server Rack: PSU, BBU & Super Capacitor Shelf

MEGMEET's high-power series power supply products are designed to meet the rigorous demands of modern data environments, fully compliant with network communication protocols such as EDPP. In addition to standalone power modules, MEGMEET offers turnkey PSU shelf solutions, battery backup units (BBU), and power capacitor systems tailored for AI server racks.

These solutions are widely deployed in high-performance computing (HPC) clusters, AI and machine learning servers, and customized server platforms delivering robust, scalable power to drive advanced workloads. With a focus on reliability, efficiency, and innovation, MEGMEET continues to empower next-generation computing while accelerating breakthroughs in intelligent infrastructure.



Key Features

- 80 PLUS Titanium
- Meet the requirements of EDPP
- Full digital power supply
- High power density
- EEPROM for FRU data
- Closed Loop System Throtting (CLST)
- Support PMBus 1.2
- Internal ORing
- Smart ON (Cold redundancy)
- Support N+1 Redundancy
- Reverse airflow option
- Smart ride through
- Bootloader
- Black box recorder
- Active power factor correction
- Meet IEC 62368

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33 kW Power Shelf



Introduction

The IPU433K-AA1616: Scalable Power for AI and Open Compute Systems

The IPU433K-AA1616 is a compact, high-capacity power system engineered to support the demanding power requirements of AI servers and the Open Compute ecosystem. It features a centralized modular power shelf architecture that delivers power to connected devices via a shared bus structure. For racks with higher power demands, multiple power shelves can be deployed in parallel to scale capacity efficiently.

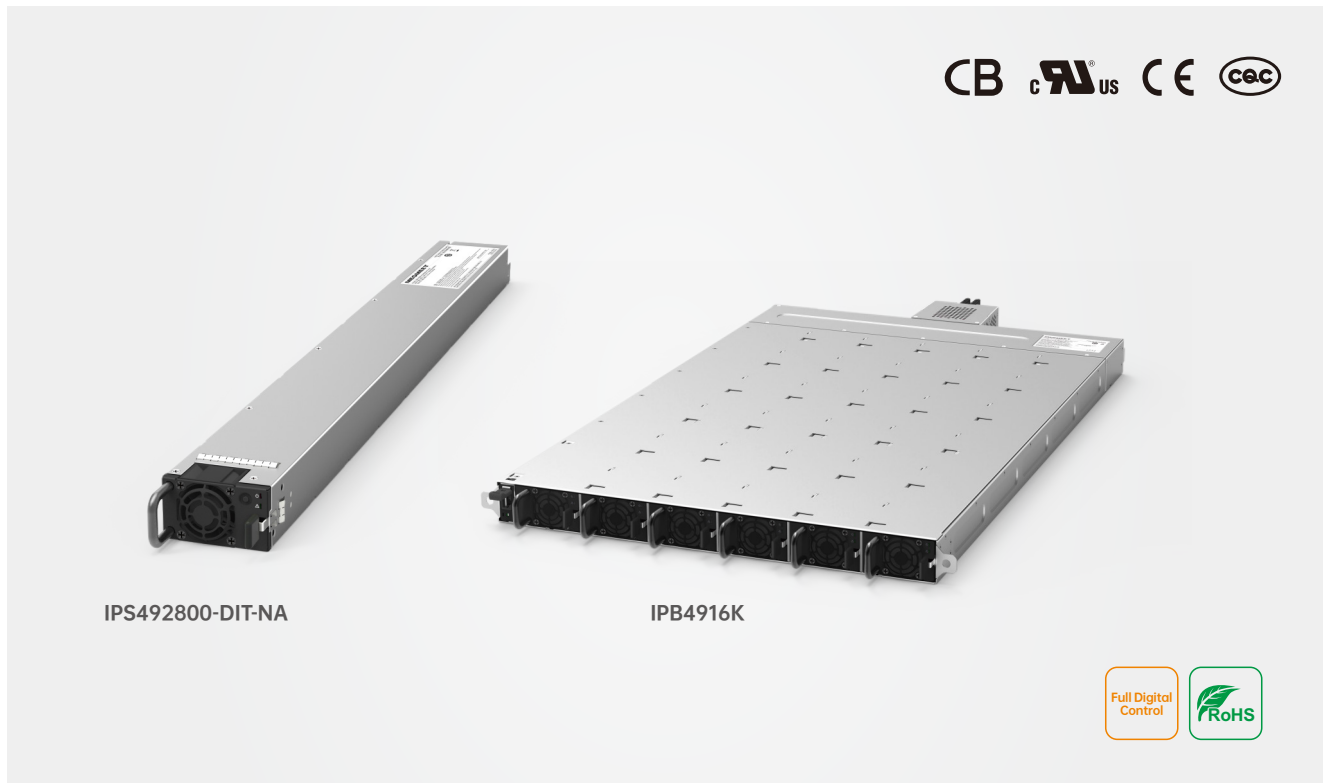
Key Features

- System capacity 33 kW with N+1 redundancy / 16.5 kW N+N redundancy
- 6 slots for rectifiers, single rectifier capacity 5.5 kW
- Standard 19-inch width which has the advantage of wide use, compatible 21-inch rack with optional bracket
- 1U height compact design, space and installation cost can be saved
- Support protocol IPMI, Redfish, SNMP, adapt to flexible networking and remote monitoring
- Rectifier, controller and power shelf are hot pluggable, easy and quick on-line maintenance

Parameter	33 kW Power Shelf (IPU433K-AA1616-W1)	
System	Dimension (D x W x H)	839.5 ± 1.5 x 448 x 1RU (mm)
	Weight	5 kg (without rectifiers)
	Cooling mode	Forced air cooling, airflow front to rear (support reverse air cooling)
	Installation mode	Installed on 19-inch rack, compatible 21-inch rack with optional bracket
	Cabling mode	Rear inlet & outlet
	Maintenance mode	Front maintenance
	Protection level	IP20
AC Distribution	Input mode	3PH+N+E (311 to 457 VAC) / 3PH+E (180 to 260 VAC) / L+N (176 to 305 VAC)
	Input frequency	45 to 65 Hz, rated value: 50 Hz / 60 Hz
DC Distribution	Output voltage	50 VDC @ 0% load, 49 VDC @ 100% load, 48.5 VDC @ 150% load
	Maximum current	700 A
	Output port	BUS Bar for positive & negative
Rectifier (IPS495500-AIT-N1AA)	Input voltage	176 to 305 VAC, rated 200 to 277 VAC
	Efficiency	> 96.5% @ 240 VAC 50 to 100% load
	Rated power	5.5 kW (176 to 305 VAC)
	Hold up time	20 ms @ 100% load
	Working temperature	-10 °C to +55 °C
	Dimension (D x W x H)	640 x 68 x 40 (mm)
	Weight	≤ 4 kg
	Cooling mode	Forced air cooling, airflow front to rear
	Power factor	≥ 0.95 @ 240 VAC 20 to 50% load, ≥ 0.99 @ 240 VAC 50 to 100% load
	iTHD	≤ 8% @ 240 VAC 20 to 50% load, ≤ 5% @ 240 VAC 50 to 100% load
Controller (MPSC6000)	Signal input	2 * AI (1 * Bus bar temp., 1 * Reserved), 18 * DI (6 * PSU_PRESENT, 6 * PMBALERT, 6 * PSU_AC_LOSS)
	Digital output	6 * RESET_LATCH_FAULT_PSU
	Communication port	1 * Ethernet, 1 * CAN, 1 * VCOM, 3 * I2C
	Protocol	Northbound: IPMI, Redfish, SNMP; Southbound: PMBus, SMBus
	Display mode	Web GUI
	Dimension (D x W x H)	442.6 x 37.9 x 15.9 (mm)
	Weight	≤ 2 kg
Environment	Operating temperature	-10 °C to +65 °C
	Storage temperature	-40 °C to +75 °C
	Operating humidity	5 to 95% (non-condensing)
	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)

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BBU Shelf – 16.5 kW Battery Backup System



Introduction

BBU Shelf: Reliable Backup Power for Critical Infrastructure

The BBU Shelf is engineered to deliver dependable backup power, ensuring uninterrupted operation of servers and essential equipment during main power failures or short-term outages effectively preventing data loss and minimizing system downtime. It comprises two key modular components:

- BBU Unit – Integrates a high-efficiency power converter with a built-in battery pack to supply backup power to the server system.
- PMC Unit – Handles monitoring and intelligent management of the BBU Shelf, enabling real-time oversight and control.

Thanks to its modular architecture, the BBU Shelf offers streamlined installation, simplified maintenance, and scalable deployment for mission-critical environments.

Key Features

- 1 U high size for more flexible configuration
- 180 s back up time for 16.5 kW power, 240 s back up time for 13.2 kW power
- 26.4 kW peak power support
- High accuracy battery balancing
- Automatic SOH diagnosis

Parameter	16.5 kW BBU Shelf (IPB4916K)
System	
Dimension (D x W x H)	839.5 ± 1.5 x 448 x 1RU (mm)
Weight	32.4 kg
Cooling Mode	Forced air cooling, airflow from front to rear
Installation Mode	Plug-in
Cabling Mode	Direct connection mode
Maintenance Mode	Replacing modules
Protection Level	IP20
BBU (IPS492800-DIT-NA)	
Input Voltage	50 VDC
Output Power	2.75 kW
Output Voltage	50 VDC / 0 A to 49 VDC / 57.2 A
Efficiency	Charger: Efficiency > 95% Discharger: Efficiency > 97%
Rated Power	Charger: 140 W Discharger: 2800 W
Backup Time	2800 W: 180 s 2200 W: 240 s
Working Temperature	-5 °C to +45 °C
Dimension	685 x 68 x 40 (mm)
Weight	3.8 kg
Cooling Mode	Forced air cooling, airflow from front to rear
Standby Consumption	< 5 W
Controller (MPSC6000)	
Communication Port	WLAN
Protocol	PMbus
Display Mode	LED
Dimension (D x W x H)	442.6 x 37.9 x 15.9 (mm)
Weight	0.27 kg
Mechanical Feature	
Operating Temperature	-5 °C to +45 °C
Operating Humidity	< 85%
Altitude	≤ 3000 m

15 kW Super Power Capacitor Shelf

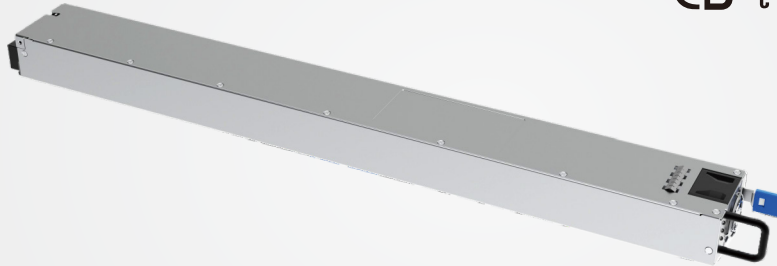


Key Features

- High efficiency > 97%
- Minimizes peak load reflection to ensure stable AC grid operation
- 16-Second backup time
- Supports EDPP (Data Peak Processing) stabilization
- Seamless integration into standard 19-inch rack environments
- Aligns with open compute project Open Rack V3 standard

Parameter	15 kW PCS Shelf (IPC4925K)
Input Voltage	47.5 to 53 VDC
Max. Input Voltage Current	330 A
Output Voltage (Discharge)	50 V +/- 0.5% at 0% load, 48.5 V +/- 0.5% at 150% load. 49 V +/- 100 mV at 100% load (set point)
Max. Output Current	330 A
Output Power	15 kW
Discharge Time	> 3 sec. at 100% Load
Efficiency (Charge)	> 97%
Efficiency (Discharge)	> 97%
Peak Power	≤ 120% (18 kW), ≤ 0.4 Ms
PMC Module With PoE	Y
Hot Pluggable PMC	Y
Cooling	Forced air, Front to rear
Dimension (D x W x H)	839.5 × 448 × 43.6 (mm)
Rack Connector Under ORV3 Standard	Y
Weight	25 kg

ATS - Automatic Transfer Switch



IPS545500-AIT-ATS



Key Features

- 5500 W output power
- Max: 97% (230 VAC, 50% load, without fan)
- Automatic transfer switch
- Supports N+1 redundant
- Support dual input (AC / DC, AC / AC, DC / DC compatible)

Parameter	ATS 5500 W (IPS545500-AIT-ATS)
Input	
Input Range	200 to 240 VAC (5500 W) / 100 to 120 VAC (2750 W) / 240 VDC (5500 W)
Frequency (AC input)	50 to 60 Hz
Max Input Current	30 A
Power Factor	0.99 ($\geq$ 50% load)
Leakage Current	3.5 mA
Output	
Output Current	102 A
Output Power	5500 W
Efficiency	$\geq$ 97% (50% load)
Maximum Ripple / Noise	$\leq$ 540 mV
EMC	EN55032 CLASS A
Redundancy	1+1, 2+1, 3+1, N+N
Protection	UVP, OVP, OCP, SCP, OTP, OPP
Heat Dissipation	Forced air cooling
Environmental Specifications	
Operating Temperature	-5 °C to +45 °C
Operating Altitude	0 to 3080 m
Operating Humidity	$\leq$ 85% relative humidity (no condensation)
RoHS Compliance	RoHS
Mechanical Feature	
Communication Protocol	PMbus1.2
Air Flow Direction	FRONT to AC inlet
Dimension (D x W x H)	600 × 68 × 40 (mm)

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CRPS and M-CRPS™ Series

Modular Common Redundant Power Supply Platform for Scalable Infrastructure

The Most Economical and Widely Adopted Power Platform for Networking Equipment

MEGMEET's CRPS and M-CRPS™ Series represent the industry's most common and cost-effective power solutions for networking infrastructure. Engineered for high performance, these modular, hot-swappable units deliver exceptional power efficiency and density ideal for space-constrained environments.

Equipped with comprehensive protection features including OCP, OVP, OTP, and SCP, the series ensures robust system safety and reliability. All products meet the latest global safety and EMC standards, with certifications and declarations from UL, CE, TÜV, CCC, and CQC.

Widely deployed across applications such as:

- Core and edge networking equipment
- Enterprise and hyperscale data centers
- Server and storage systems
- AIoT platforms and smart edge devices
- Workstations and high-performance computing
- Telecom infrastructure and industrial computing
- Embedded systems and control platforms

With proven reliability and scalable architecture, MEGMEET's CRPS / M-CRPS™ Series empowers modern networks and intelligent systems to operate efficiently, safely, and economically.



Key Features

- 80 PLUS Titanium
- Full digital power supply
- Intel standard CRPS™ form factor
- High power density
- EEPROM for FRU data
- Closed Loop System Throtting (CLST)
- Support PMBus 1.2
- Internal ORing
- Smart ON (Cold redundancy)
- Support N+1 Redundancy
- Reverse airflow option
- Smart ride through
- Bootloader
- Black box recorder
- Active power factor correction
- Meet IEC 60950 / 62368

CRPS Platinum 800 to 2200 Watts

Power	800 W	1300 W	1600 W	2200 W
Model	MEG-CRPS800AOP	MEG-CRPS1300AOP	MEG-CRPS1600AOP	MEG-CRPS2200AOP
Dimension (D x W x H)	185 x 73.5 x 40 (mm)			
Input Voltage	90 to 264 VAC / 180 to 320 VDC			
Output Voltage	12 V / 12 VSB			
Output Current	66 A / 2.5 A	108 A / 3 A	133 A / 2.5 A	183 A / 3 A
Frequency	47 to 63 Hz			
Efficiency	80 PLUS Platinum			
Operating Temperature	-5 °C to +55 °C			
Operating Humidity	5% to 85%			
Surger Voltage	CM $\pm$ 2.5 kV / DM $\pm$ 1.5 kV, Criteria A			
Heat Dissipation	Force air cooling			
Airflow Direction	Air flows from the gold finger to the AC inlet			
Redundancy	1+1, 2+1, 3+1, 2+2			
Hot Plug	Y			
Altitude	5000 m			
Ripple & Noise	120 mVp-p			
Voltage Stabilization Accuracy	+/-5%			
EMI	Class A with 6 dB			
Protection	UVP, OVP, OCP, SCP, OTP			
Safety Standard	CB, UL, CE, CCC, TÜV	CB, UL, CE, CCC, TÜV	CB, UL, CE, CCC, TÜV	CB, UL, CE, CQC, TÜV
IEC	62368 / 60950			
Enviromental	RoHS			
Communication Protocol	PMBus1.2			

CRPS Titanium 800 to 3300 Watts

Power	800 W	1300 W	1600 W	2200 W	2700 W	3300 W
Parameter	CRPS800AOT	CRPS1300AOT	CRPS1600AOT	CRPS2200AOT	CRPS2700AOT	CRPS3300AOT
Dimension (D x W x H)	185 x 73.5 x 40 (mm)					
Input Voltage	90 to 264 VAC / 180 to 320 VDC					
Output Voltage	12 V / 12 VSB					
Output Current	67 A / 3 A	108 A / 3 A	133 A / 3 A	183 A / 3 A	225 A / 3 A	275 A / 3 A
Frequency	47 to 63 Hz					
Efficiency	80 PLUS Titanium					
Operating Temperature	-5 °C to +55 °C					
Operating Humidity	5% to 85%					
Surger Voltage	CM ±2.6 kV / DM ±1.3 kV					
Heat Dissipation	Force air cooling					
Airflow Direction	Air flows from the gold finger to the AC inlet					
Redundancy	1+1, 2+1, 3+1, N+N					
Hot Plug	Y					
EDPP	Y					
Altitude	5000 m					
Ripple & Noise	12 V-120 mVp-p / 12 VSB 120 mVp-p					
Voltage Stabilization Accuracy	+/-5%					
EMI	Class A with 6 dB					
Protection	UVP, OVP, OCP, SCP, OTP					
Safety Standard	CB, UL, CE, CQC, UKCA, BSMI, BIS					
IEC	62368 / 60950					
Enviromental	RoHS					
Communication Protocol	PMBus1.2					

MCRPS Titanium Series

Power	2700 W		3300 W		4000 W
Parameter	MCRPS2700AOT		MCRPS3300AOT		MCRPS4000AOT
Dimension (D x W x H)	185 x 73.5 x 40 (mm)				265 x 73.5 x 40 (mm)
Input Voltage	90 to 264 VAC / 180 to 320 VDC				90 to 305 VAC / 180 to 320 VDC
Output Voltage	12 V / 12 VSB	54 V / 12 VSB	12 V / 12 VSB	54 V / 12 VSB	12 V / 12 VSB
Output Current	225 A / 3 A	50 A / 3 A	275 A / 3 A	61 A / 3 A	328 A / 3.5 A
Frequency	47 to 63 Hz				
Efficiency	80 PLUS Titanium				
Operating Temperature	-5 °C to +55 °C				
Operating Humidity	5% to 85%				
Surger Voltage	CM ±2.5 kV / DM ±1.5 kV, Criteria A				CM ±4 kV / DM ±2 kV, Criteria A
Heat Dissipation	Force air cooling				
Airflow Direction	Air flows from the gold finger to the AC inlet				
Redundancy	1+1, 2+1, 3+1, N+N				
Hot Plug	Y				
EDPP	Y				
Altitude	3150 m				5000 m
Ripple & Noise	120 mV pk-pk	540 mV pk-pk	120 mV pk-pk	540 mV pk-pk	120 mV pk-pk
Voltage Stabilization Accuracy	+/-3%				+/-5%
EMI	Class A with 6 dB				
Protection	UVP, OVP, OCP, SCP, OTP				
Safety Standard	CB, UL, CE, CQC, UKCA, BSMI, BIS, KC				
IEC	62368 / 60950				
Enviromental	RoHS				
Communication Protocol	PMBus1.2				

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Slim Series

MEGMEET's Slim series are mainly used for devices such as switches and servers. They provide stable power support. The Slim series power supplies are tailor-made for high-density deployments and support the PMBus 1.2 intelligent communication protocol. They have the ability to be easily managed and respond dynamically, ensuring the efficient operation of the equipment.



Key Features

- Up to 80 PLUS Titanium
- Full digital power supply
- A wide-ranging working environment
- High power density
- EEPROM for FRU data
- Closed Loop System Throtting (CLST)
- Support PMBus 1.2
- Internal ORing
- Smart ON (cold redundancy)
- Support N+1 redundancy
- Reverse airflow option
- Smart ride through
- Bootloader
- Black box recorder
- Active power factor correction
- Meet IEC 62368

Width	Model	Power	Dimensions (D x W x H)	Efficiency	Input Voltage	Voltage / Current	Voltage / Current	PMBus	Operating Temperature	Certification
54.5 mm	IPS12450-BJAFO	450 W	322 x 54.5 x 40 (mm)	Gold	90 to 264 VAC	12 V / 37 A	5 Vsb / 2 A	PMBus 1.2	-5 °C to +50 °C	CB UL CE FCC CCC CQC RoHS UKCA
	IPS12450-AJAFI									
	IPS12650-AJAFI	650 W	322 x 54.5 x 40 (mm)	Silver	40 to 72 VAC	12 V / 53.28 A	5 Vsb / 3 A	PMBus 1.2	-5 °C to +50 °C	
	IPS12650-AJAFO									
	IPS121100-AIT-CA	1100 W	228 x 54.5 x 40 (mm)	Titanium	90 to 264 VAC	12 V / 92 A	3.3 Vsb / 3 A	PMBus 1.2	-5 °C to +45 °C	
	IPS121100-AFO-CSC		321.5 x 54.5 x 40 (mm)	Platinum	90 to 264 VAC	12 V / 92 A	3.3 Vsb / 3 A	PMBus 1.2	-5 °C to +65 °C	
	IPS121200-DIT-CA	1200 W	321.5 x 54.5 x 40 (mm)	Titanium	40 to 72 VDC	12 V / 100 A	3.3 Vsb / 3 A	PMBus 1.2	-5 °C to +55 °C	
	IPS121200-DOT-CA									
	IPS122400-AIT-MA	2400 W	352 x 54.5 x 40 (mm)	Titanium	90 to 264 VAC	12 V / 200 A	5 Vsb / 3 A	PMBus 1.2	-5 °C to +50 °C	
	IPS122400-AOT-MA			Titanium	40 to 72 VDC	12 V / 200 A	5 Vsb / 3 A	PMBus 1.2	-5 °C to +50 °C	
	IPS122400-DIT-MA									
	IPS122400-DOT-MA									
	IPS122400-AOT-HA		321.5 x 54.5 x 40 (mm)	Titanium	90 to 264 VAC	12 V / 200 A	12 Vsb / 3 A	PMBus 1.2	-5 °C to +50 °C	
	IPS122400-AIT-CA			Titanium	40 to 72 VDC	12 V / 200 A	12 Vsb / 3 A	PMBus 1.2	-5 °C to +50 °C	
	IPS122400-DIT-CA									
	50 mm	IPS12400-AIP-CA	400 W	195 x 50 x 40 (mm)	Gold	85 to 264 VAC	12 V / 33 A	3.3 Vsb / 2 A	PMBus 1.2	
IPS12400-DIP-CA		40 to 72 VDC				12 V / 33 A	3.3 Vsb / 2 A	PMBus 1.2	-40 °C to +70 °C	
55.5 mm	IPS56850-AIP-CA	850 W	220 x 55.5 x 40 (mm)	Platinum	90 to 264 VAC	56 V / 15.18 A	—	PMBus 1.2	-5 °C to +55 °C	
	IPS56850-AOP-CA									
68 mm	MEG-SLIM 4000W54VAIT	4000 W	430 x 68 x 40 (mm)	Titanium	90 to 264 VAC 180 to 320 VAC	54 V / 74.1 A	12 Vsb / 3 A	PMBus 1.2	-5 °C to +55 °C	

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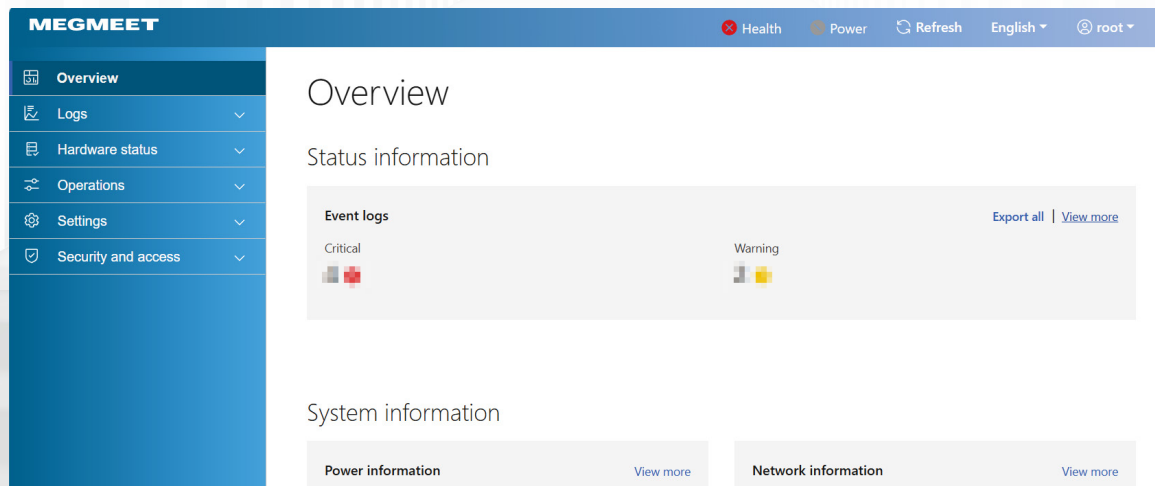
Web GUI

GUI (Graphical User Interface) refers to the software interface used to monitor, configure, or control the power supply's parameters.

Many modern programmable power supplies (especially in lab, industrial, or server environments) come with a GUI application allows:

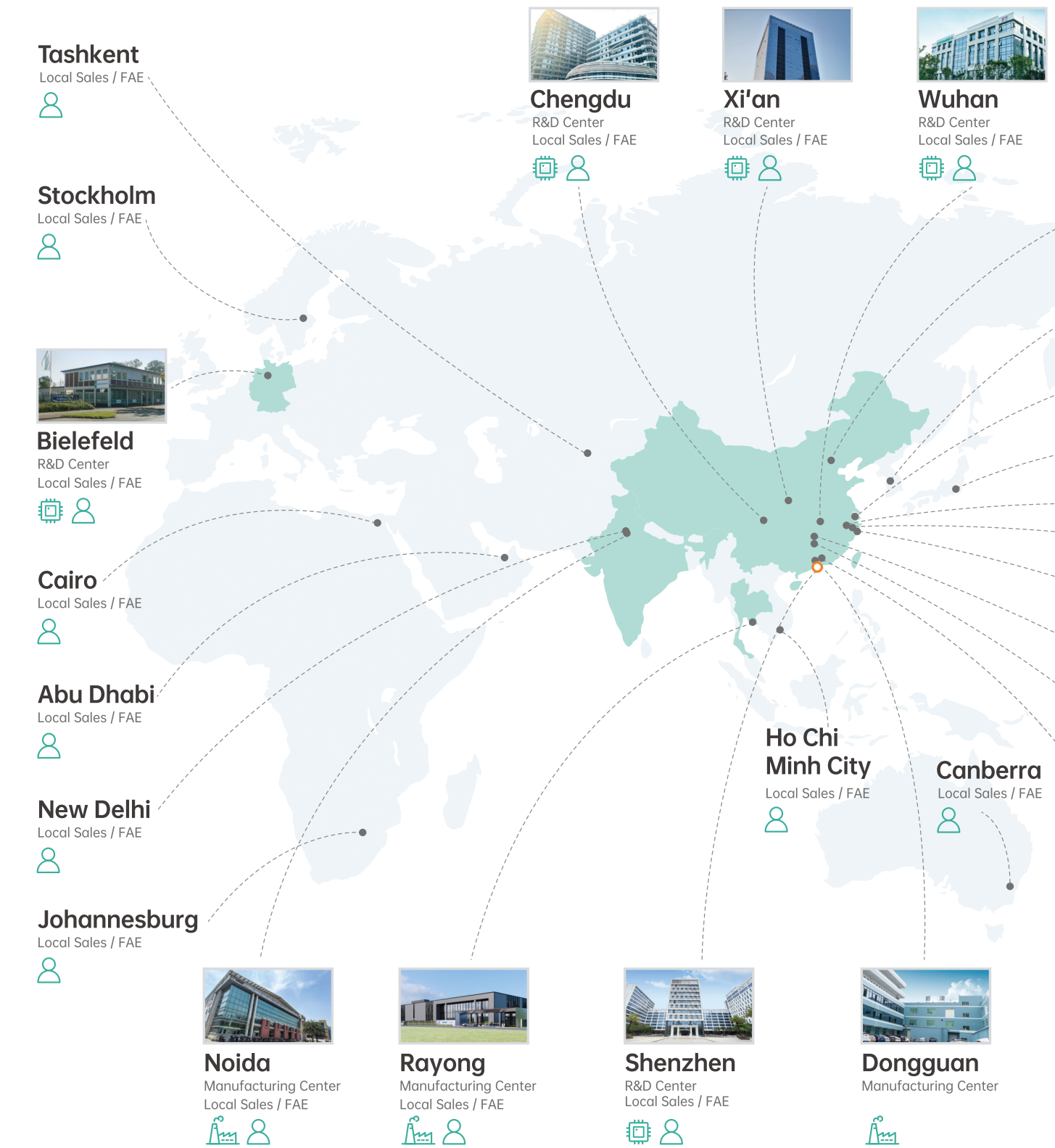
- Set output voltage and current limits.
- Monitor real-time readings (voltage, current, power, temperature).
- Log performance data over time.
- Configure protection features (over-voltage, over-current, over-temperature).

Instead of pressing buttons on the physical unit or sending commands via a serial interface (CLI), the GUI allows you to do this through visual controls on a computer screen.



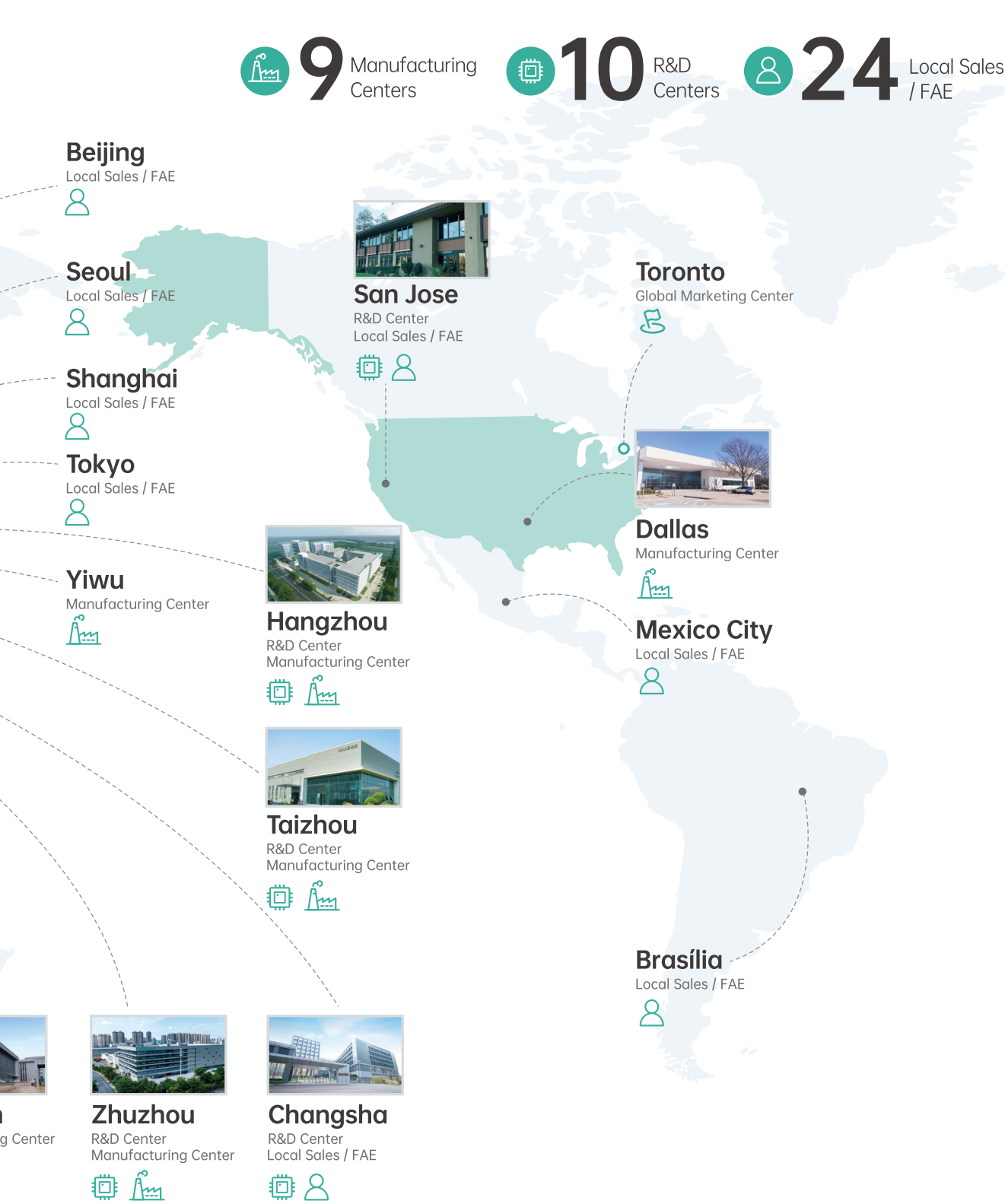
Global Infrastructure for Scalable Engineering Solutions

MEGMEET operates a robust global framework comprising 10 advanced R&D centers, 9 vertically integrated manufacturing facilities, and 24 strategically positioned regional offices. This infrastructure enables accelerated product development cycles, optimized supply chain logistics, and region-specific engineering support. Our distributed architecture ensures low-latency response times, seamless integration with local standards, and scalable deployment across diverse industrial and commercial applications.



Global Engineering & Field Application Support Network

MEGMEET's international engineering infrastructure is built to enable close technical collaboration and on-site application expertise. With design and support centers in China, Germany, Thailand, and the United States, we ensure rapid integration of customer requirements into product architecture, efficient validation in real-world environments, and agile adaptation to regional standards. Our global presence empowers field application engineers to deliver scalable, reliable, and performance-optimized solutions across a wide range of industries.



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

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