

Industrial Enclosed Power Supplies

Backed by 20+ years of innovation, MEGMEET provides industrial customers with power solutions that combine exceptional efficiency, power density, and reliability.



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 industrial power supplies.



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

35 W / 50 W Series

Application : Industrial control system, industrial equipment, electronic instruments, household appliances, etc.



Key Features

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

Parameter	MPT35-5V	MPT35-12V	MPT35-15V*	MPT35-24V	MPT35-48V	MPT50-5V	MPT50-12V	MPT50-24V	MPT50-48V
Input Voltage	85 to 264 VAC / 120 to 370 VDC								
Frequency Range	(50 to 60 Hz) ± 5%								
Efficiency	82.0%	86.0%	86.0%	88.0%	89.0%	86.0%	86.0%	89.0%	90.0%
Inrush Current (Cold Start)	< 50 A @ 230 VAC, +25 °C								
Output Voltage	5 V	12 V	15 V	24 V	48 V	5 V	12 V	24 V	48 V
Output Regulation Range	± 1%								
Output Current	7.00 A	3.00 A	2.40 A	1.50 A	0.80 A	10.00 A	4.20 A	2.20 A	1.10 A
Adjustable Voltage Range	4.5 to 5.5 V	10.2 to 13.8 V	13.5 to 18.0 V	21.6 to 28.8 V	43.2 to 52.8 V	4.5 to 5.5 V	10.2 to 13.8 V	21.6 to 28.8 V	43.2 to 52.8 V
RIPPLE & NOISE (max.)*	≤ 80 mVp-p	≤ 120 mVp-p	≤ 120 mVp-p	≤ 150 mVp-p	≤ 200 mVp-p	≤ 80 mVp-p	≤ 120 mVp-p	≤ 150 mVp-p	≤ 200 mVp-p
Hold-up Time at Full Load	≥ 30 ms @ 230 VAC, +25 °C				≥ 45 ms @ 230 VAC, +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	99 x 82 x 30 (mm)								
Approvals	UL, CE, CB, UKCA, CCC, KC, RCM, FCC, BSMI								

Note: The model with * is under development or upgrade

Part Number Scheme

Example

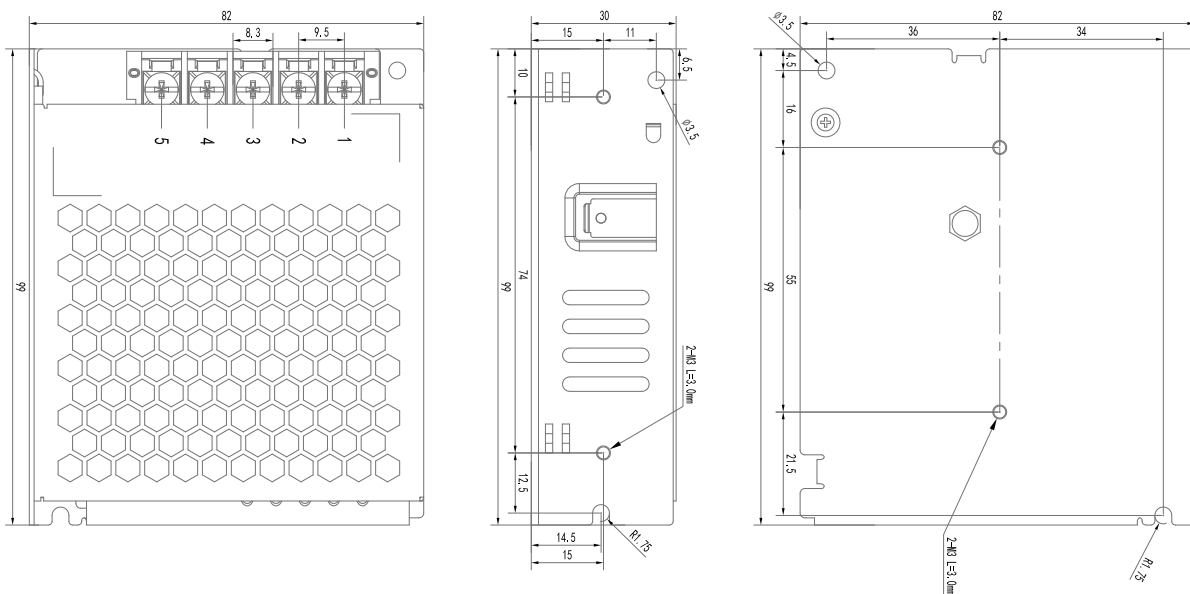
MPT35-12V

Series
Name
MPT

Output
Power
35 W

Output
Voltage
12 V

Drawing (35 / 50 / 75 W Series)



Note:

- 1.Dimension units: mm
- 2.Tolerance: +1mm
- 3.Recommended torque: M3 screw 0.4N.m, M4 screw 0.9N.m
- 4.Wire range: 22-12AWG

75 W / 100 W Series

Application : Industrial control system, industrial equipment, electronic instruments, household appliances, etc.



Key Features

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

Parameter	MPT75-12V	MPT75-24V	MPT75-36V*	MPT75-48V	MPT100-12V	MPT100-15V*	MPT100-24V	MPT100-48V
Input Voltage	85 to 264 VAC / 120 to 370 VDC							
Frequency Range	(50 to 60 Hz) ± 5%							
Efficiency	88.0%	90.0%	90.0%	91.5%	86.5%	86.5%	89.5%	90.5%
Inrush Current (Cold Start)	< 65 A @ 230 VAC, +25 °C				< 45 A @ 230 VAC, +25 °C			
Output Voltage	12 V	24 V	36 V	48 V	12 V	15 V	24 V	48 V
Output Regulation Range	± 1%							
Output Current	6.00 A	3.20 A	2.10 A	1.60 A	8.50 A	7.00 A	4.50 A	2.30 A
Adjustable Voltage Range	10.2 to 13.8 V	21.6 to 28.8 V	32.4 to 39.6 V	43.2 to 52.8 V	10.2 to 13.8 V	13.5 to 18.0 V	21.6 to 28.8 V	43.2 to 52.8 V
RIPPLE & NOISE (max.)*	≤ 100 mVp-p	≤ 150 mVp-p	≤ 200 mVp-p	≤ 200 mVp-p	≤ 100 mVp-p	≤ 120 mVp-p	≤ 150 mVp-p	≤ 200 mVp-p
Hold-up Time at Full Load	≥ 60 ms @ 230 VAC, +25 °C				≥ 55 ms @ 230 VAC, +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	99 x 82 x 30 (mm)				129 x 97 x 30 (mm)			
Approvals	UL, CE, CB, UKCA, CCC, KC, RCM, FCC, BSMI							

Note: The model with * is under development or upgrade

Part Number Scheme

Example

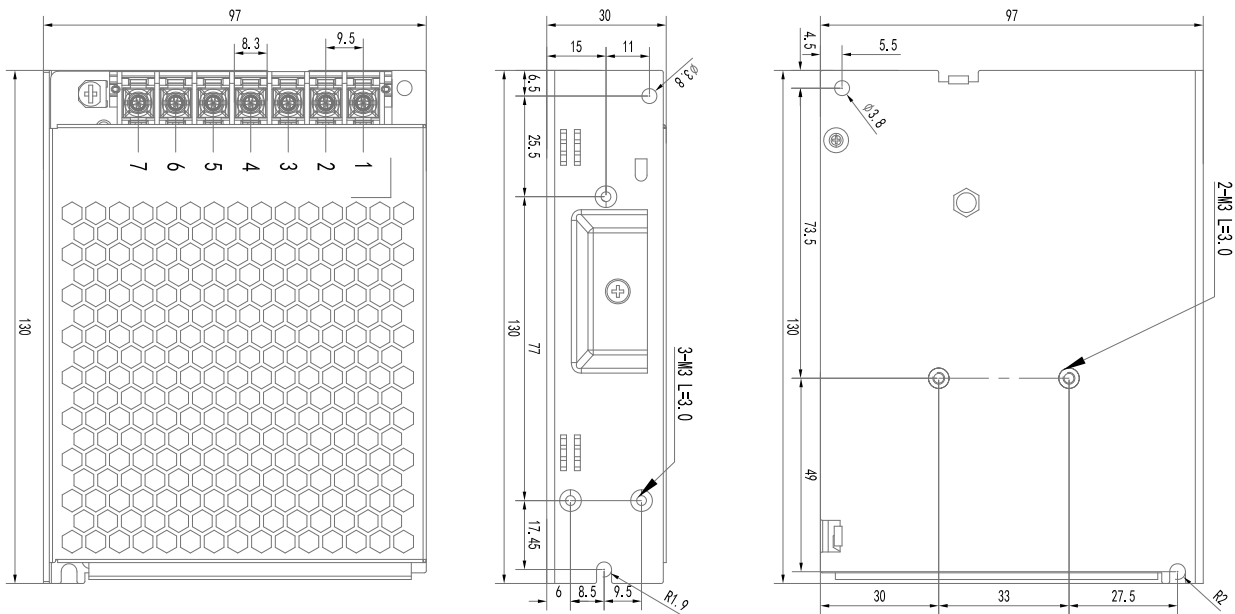
MPT100-12V

Series
Name
MPT

Output
Power
100 W

Output
Voltage
12 V

Drawing (100 W Series)



Note:

- 1.Dimension units: mm
- 2.Tolerance: +1mm
- 3.Recommended torque: M3 screw 0.4N.m, M4 screw 0.9N.m
- 4.Wire range: 22-12AWG

150 W Series

Application : Industrial control system, industrial equipment, electronic instruments, household appliances, etc.



Key Features

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

Parameter	MPT150-12V	MPT150-24V	MPT150-36V*	MPT150-48V
Input Voltage	85 to 264 VAC / 120 to 370 VDC			
Frequency Range	(50 to 60 Hz) ± 5%			
Efficiency	86.5%	89.0%	89.0%	89.0%
Inrush Current (Cold Start)	< 60 A @ 230 VAC, +25 °C			
Output Voltage	12 V	24 V	36 V	48 V
Output Regulation Range	± 1%			
Output Current	12.50 A	6.50 A	4.30 A	3.30 A
Adjustable Voltage Range	10.2 to 13.8 V	21.6 to 28.8 V	32.4 to 39.6 V	43.2 to 52.8 V
RIPPLE & NOISE (max.)*	≤ 150mVp-p	≤ 200mVp-p	≤ 200mVp-p	≤ 200mVp-p
Hold-up Time at Full Load	≥ 16 ms @ 230 VAC, +25 °C			
Protection Function	Over current / over voltage / short circuit / over temperature			
Operating Temperature	-30 °C to +70 °C. Can be started at -40 °C			
PFC	N			
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	159 x 97 x 30 (mm)			
Weight	0.39 kg			

Note: The model with * is under development or upgrade

Part Number Scheme

Example

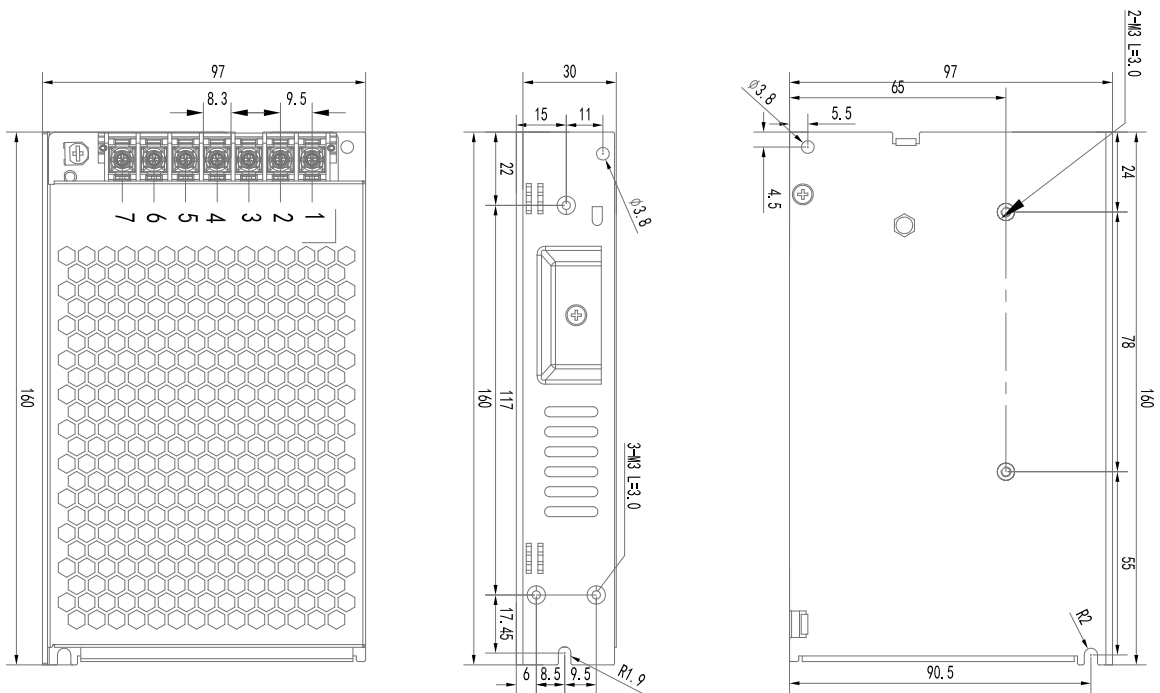
MPT150-12V

Series
Name
MPT

Output
Power
150 W

Output
Voltage
12 V

Drawing (150 W Series)



Note:

- 1.Dimension units: mm
- 2.Tolerance: +1mm
- 3.Recommended torque: M3 screw 0.4N.m, M4 screw 0.9N.m
- 4.Wire range: 22-12AWG

210 W / 350 W Series

Application : Industrial control system, industrial equipment, electronic instruments, household appliances, etc.



Key Features

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

Parameter	MPT210-12V	MPT210-15V*	MPT210-24V	MPT210-36V	MPT210-48V	MPT350-12V-F	MPT350-24V-F	MPT350-36V-F	MPT350-48V-F
Input Voltage	90 to 132 VAC / 180 to 264 VAC by switch; 240 to 370 VDC (Switch in position of 230)								
Frequency Range	(50 to 60 Hz) ± 5%								
Efficiency	87.5%	88.0%	88.5%	89.0%	89.5%	85.0%	87.0%	88.5%	89.0%
Inrush Current (Cold Start)	< 60 A @ 230 VAC, +25 °C					< 60 A @ 230 VAC, +25 °C			
Output Voltage	12 V	15 V	24 V	36 V	48 V	12 V	24 V	36 V	48 V
Output Regulation Range	± 1%								
Output Current	17.00 A	14.00 A	8.80 A	5.80 A	4.40 A	29.00 A	14.60 A	9.70 A	7.30 A
Adjustable Voltage Range	10.2 to 13.8 V	13.5 to 18.0 V	21.6 to 28.8 V	32.4 to 39.6 V	43.2 to 52.8 V	10.2 to 13.8 V	21.6 to 28.8 V	32.4 to 39.6 V	43.2 to 52.8 V
RIPPLE & NOISE (max.)*	≤ 150 mVp-p	≤ 150 mVp-p	≤ 150 mVp-p	≤ 200 mVp-p	≤ 200 mVp-p	≤ 150 mVp-p	≤ 150 mVp-p	≤ 200 mVp-p	≤ 200 mVp-p
Hold-up Time at Full Load	≥ 16 ms @ 230 VAC, +25 °C								
Protection Function	Over current / over voltage / short circuit / over temperature								
Operating Temperature	-30 °C to +70 °C. Can be started at -40 °C								
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	215 x 115 x 30 (mm)								
Approvals	UL, CE, CB, UKCA, CQC, KC, RCM, FCC, BSMI								

Note: The model with * is under development or upgrade

Part Number Scheme

Example

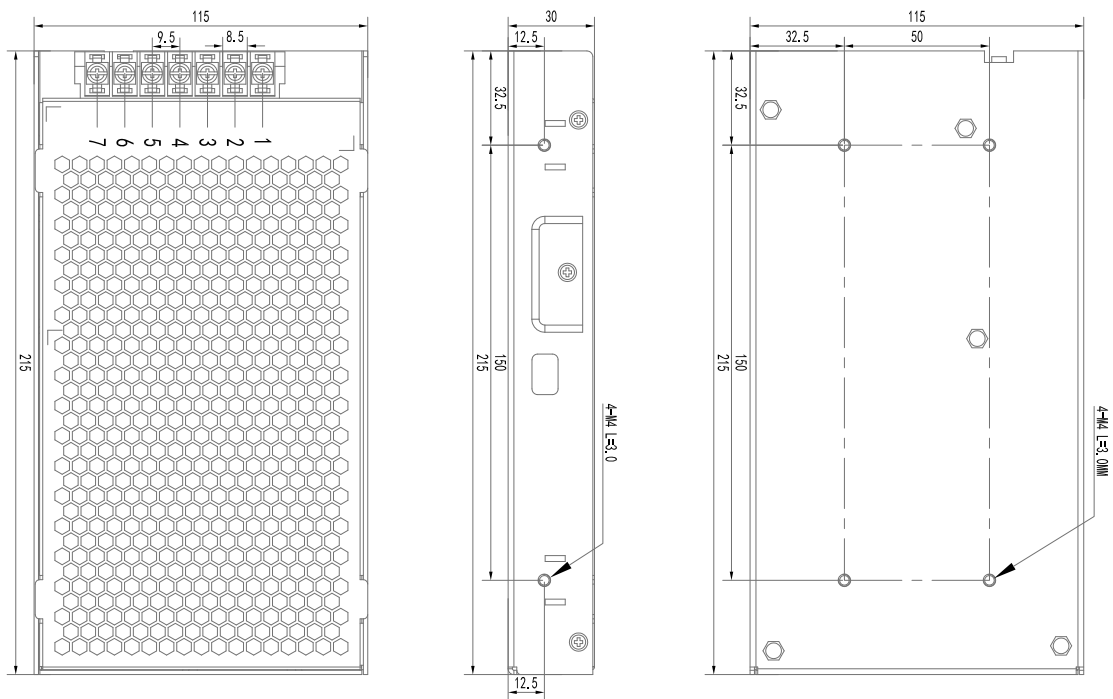
MPT210-12V

Series
Name
MPT

Output
Power
210 W

Output
Voltage
12 V

Drawing (210 W Series)



Note:

- 1.Dimension units: mm
- 2.Tolerance: +1mm
- 3.Recommended torque: M3 screw 0.4N.m, M4 screw 0.9N.m
- 4.Wire range: 22-12AWG

Part Number Scheme

Example

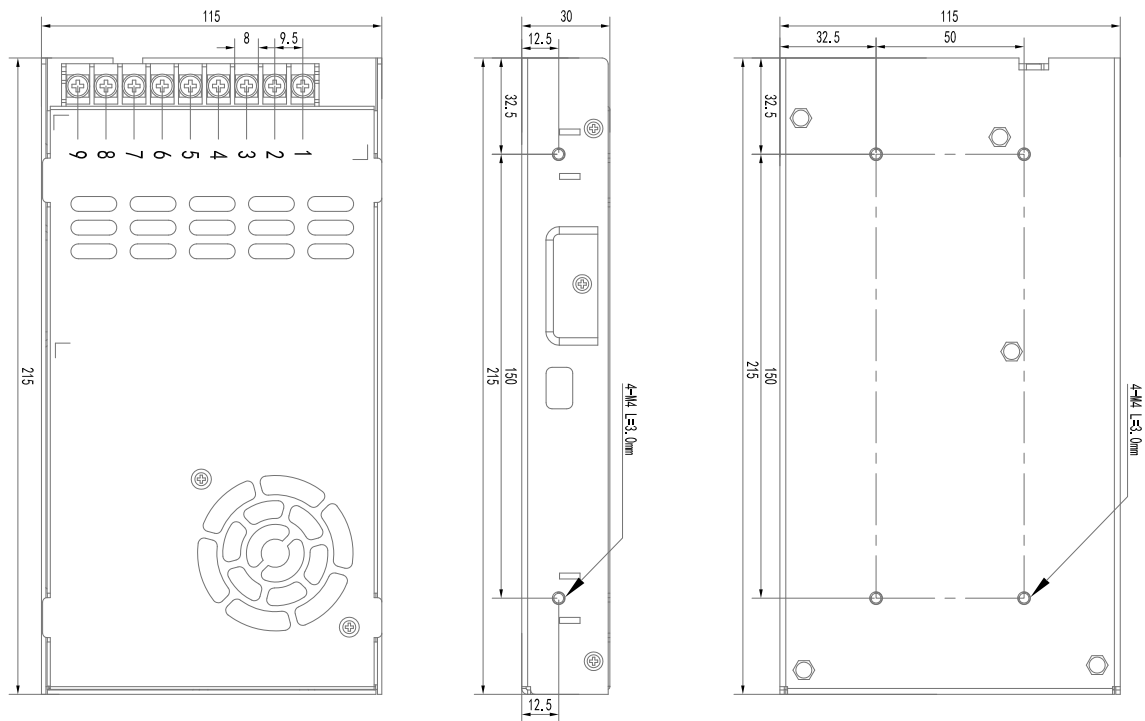
MPT350-12V-F

Series
Name
MPT

Output
Power
350 W

Output
Voltage
12 V Fan

Drawing (350 W Series)



Note:

- 1.Dimension units: mm
- 2.Tolerance: +1mm
- 3.Recommended torque: M3 screw 0.4N.m, M4 screw 0.9N.m
- 4.Wire range: 22-12AWG

MPF Series

With PFC function

Application : Industrial control system, industrial equipment, electronic instruments, household appliances, etc.



Key Features

- Input: 85 to 305 VAC
- High efficiency, high reliability, small size
- Active PFC
- Operating temperature: -30 °C to +70 °C
- Full protection function: OCP / OVP / SCP / OTP
- LED indicator for power on
- Operating altitude up to 5000 m
- With conforming coating and terminal cover

Parameter	MPF350-12V-F	MPF350-24V-F	MPF350-36V-F*	MPF350-48V-F
Input Voltage	180 to 305 VAC; 120 to 430 VDC			
Frequency Range	(50 to 60 Hz) ± 5%			
Efficiency	90.0%	90.0%	92.0%	92.0%
Inrush Current (Cold Start)	< 60 A @ 230 VAC, +25 °C			
Output Voltage	12 V	24 V	36 V	48 V
Output Regulation Range	± 1%			
Output Current	12.50 A	6.50 A	4.30 A	3.30 A
Adjustable Voltage Range	10.0 to 13.2 V	20.0 to 26.4 V	32.4 to 39.6 V	41.0 to 56.0 V
RIPPLE & NOISE (max.)*	≤ 150 mVp-p	≤ 150 mVp-p	≤ 220 mVp-p	≤ 240 mVp-p
Hold-up Time at Full Load	≥ 10 ms @ 230 VAC, +25 °C			
Protection Function	Over current / over voltage / short circuit / over temperature			
Operating Temperature	-30 °C to +70 °C. Can be started at -40 °C			
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	215 x 115 x 30 (mm)			
Approvals	UL, CE, CB, UKCA, CCC, KC, RCM, FCC, BSMI			

Note: The model with * is under development or upgrade

Part Number Scheme

Example

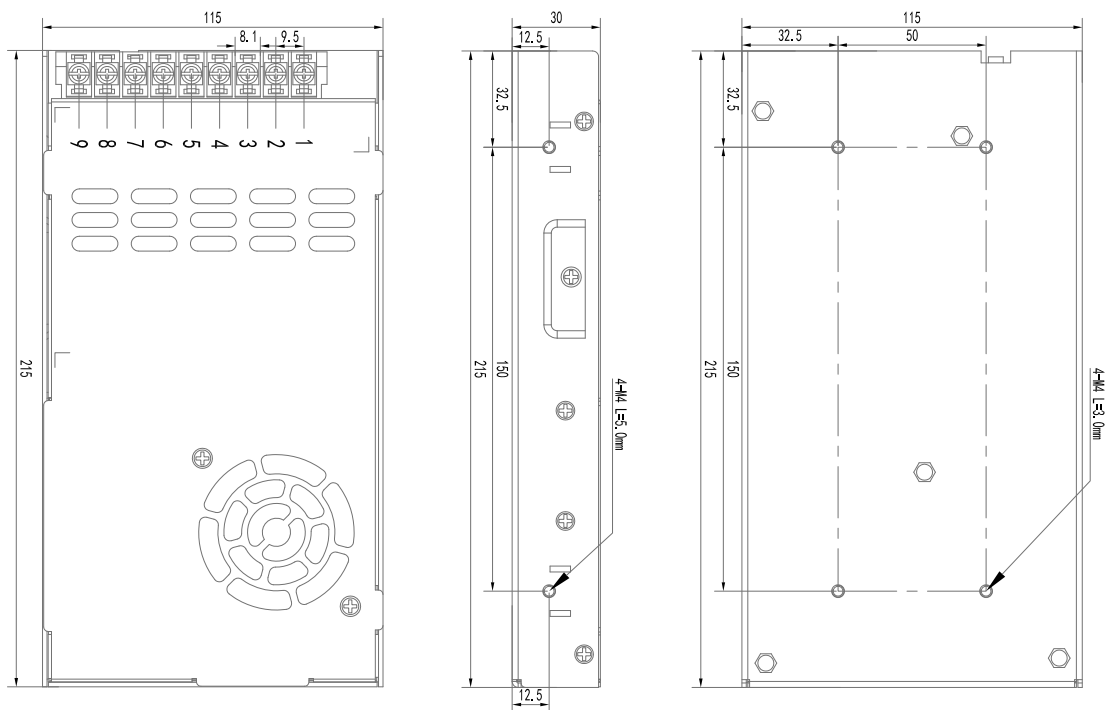
MPF350-12V-F

Series
Name
MPF

Output
Power
350 W

Output
Voltage
12 V Fan

Drawing (350 W Series)



Note:

- 1.Dimension units: mm
- 2.Tolerance: +1mm
- 3.Recommended torque: M3 screw 0.4N.m, M4 screw 0.9N.m
- 4.Wire range: 22-12AWG

600 W Series

Application : Industrial control system, industrial equipment, electronic instruments, household appliances, etc.



Key Features

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

Parameter	MPT600-12V-F*	MPT600-15V-F*	MPT600-24V-F*	MPT600-36V-F*	MPT600-48V-F*
Input Voltage	90 to 132 VAC / 180 to 264 VAC by switch; 240 to 370 VDC (Switch in position of 230)				
Frequency Range	(50 to 60 Hz) ± 5%				
Efficiency	90.0%	90.0%	91.0%	92.0%	92.0%
Inrush Current (Cold Start)	< 60 A @ 230 VAC, +25 °C				
Output Voltage	12 V	15 V	24 V	36 V	48 V
Output Regulation Range	± 1%				
Output Current	50.00 A	40.00 A	25.00 A	16.60 A	12.50 A
Adjustable Voltage Range	11.4 to 13.2V	14.25 to 16.5V	22.8 to 26.4V	34.2 to 39.6V	45.6 to 52.8V
RIPPLE & NOISE (max.)*	≤ 200 mVp-p	≤ 200 mVp-p	≤ 240 mVp-p	≤ 360 mVp-p	≤ 360 mVp-p
Hold-up Time at Full Load	≥ 20 ms @ 230 VAC, +25 °C				
Protection Function	Over current / over voltage / short circuit / over temperature				
Operating Temperature	-30 °C to +70 °C. Can be started at -40 °C				
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	215 x 124 x 41 (mm)				
Approvals	Pending				

Part Number Scheme

Example

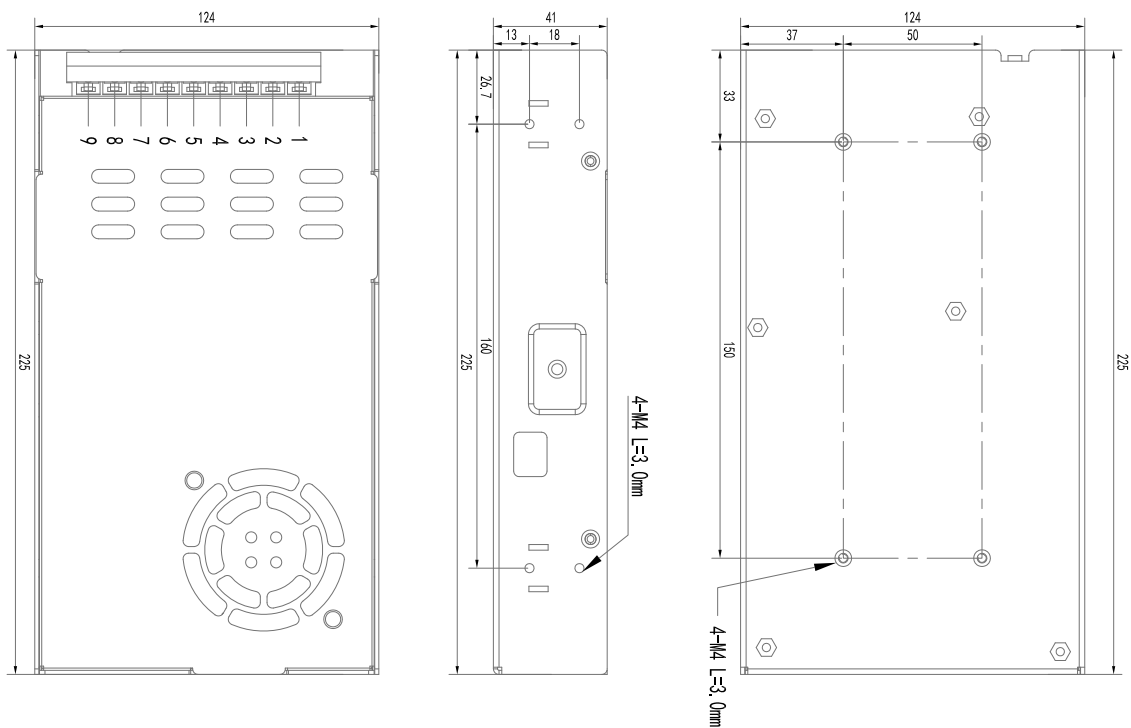
MPT600-12V-F

Series
Name
MPT

Output
Power
600 W

Output
Voltage
12 V Fan

Drawing (600 W Series)



Note:

- 1.Dimension units: mm
- 2.Tolerance: +1mm
- 3.Recommended torque: M3 screw 0.4N.m, M4 screw 0.9N.m
- 4.Wire range: 22-12AWG

2000 W Enclosed Power Supply

MR242000MG1-S

Application: Telecom



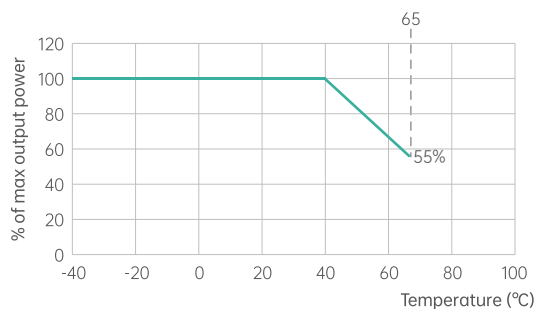
- Input: 85 to 290 VAC
- Active PFC
- Full protection function: OCP / OVP / SCP
- Active current sharing up to 14 kW (7+1)

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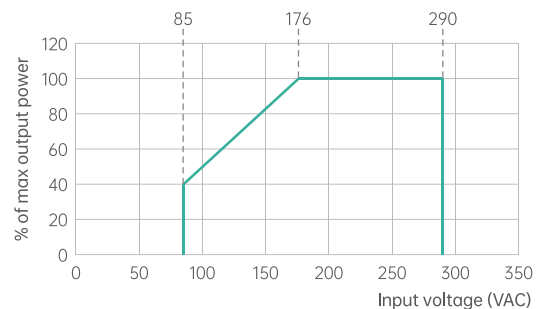
AC Input		DC Output	
Input Voltage (Nominal)	110 VAC / 220 VAC	Output Voltage	25.5 V
Input Voltage Range	85 to 290 VAC	Peak Efficiency	> 92%
Inrush Current (Cold Start)	< 20 A @ 230 VAC, +25 °C (Cold Start)	Maximum Capacity	2000 W
Input Frequency	45 to 65 Hz	Maximum Output Current	80 A
Power Factor	≥ 0.99 (220 VAC @ 20% to 100% load)	Hold-up Time at Full Load	≥ 10 ms @ 230 VAC, +25 °C
Control and Monitor		Environment	
Communication Protocol	CAN	EMC	EN55032 class A; EN55035; IEC61000-3-2; IEC61000-3-3
LED	Green-normal; yellow-alarm; red-fault	Safety	EN62368-1

Output power vs. temperature

176VAC ≤ VIN ≤ 290VAC



Output power vs. input voltage



3000 W Enclosed Power Supply

MR483000HG2B-GS1

Application: Telecom



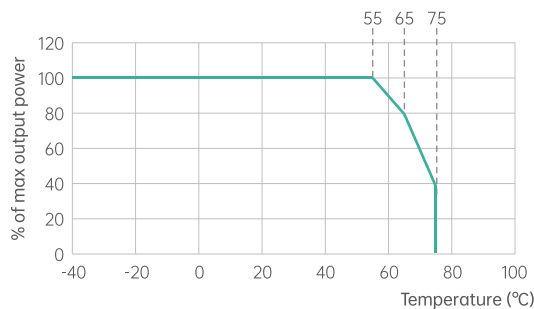
- Input: 85 to 290 VAC
- Active PFC
- Full protection function: OCP / OVP / SCP
- Active current sharing up to 14 kW (7+1)

MEGMEET

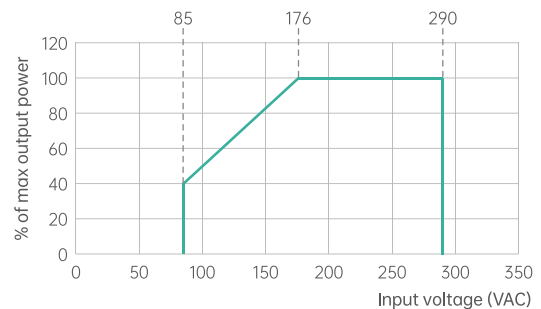
AC Input		DC Output	
Input Voltage (Nominal)	110 VAC / 220 VAC	Output Voltage	48 V
Input Voltage Range	85 to 290 VAC	Peak Efficiency	> 96%
Inrush Current (Cold Start)	< 20 A @ 230 VAC, +25 °C (Cold Start)	Maximum Capacity	3000 W
Input Frequency	45 to 65 Hz	Maximum Output Current	56.1 A
Power Factor	≥ 0.99 (220 VAC @ 20% to 100% load)	Hold-up Time at Full Load	≥ 10 ms @ 230 VAC, +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

Output power vs. temperature

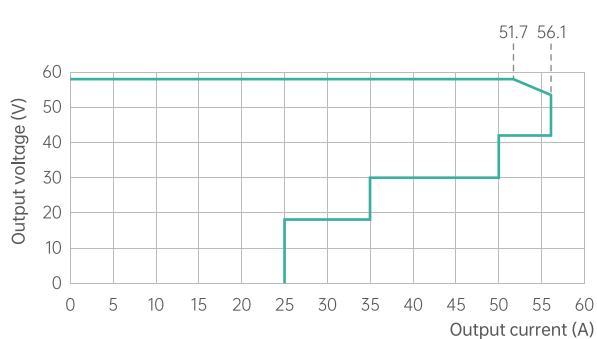
176VAC ≤ VIN ≤ 290VAC



Output power vs. input voltage

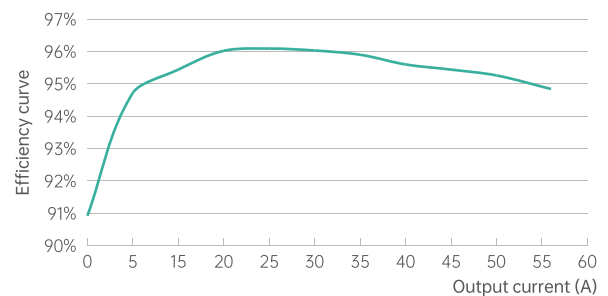


Output voltage vs. output current



Efficiency curve

220VAC



Configurable Power Supplies

Application : Industrial control system, industrial equipment, electronic instruments, household appliances, etc.



Key Features

- Input: 170 to 264 VAC
- Dual output
- Over voltage category III
- Operating temperature: -20 °C to +70 °C
- Full protection function: OCP / OVP / SCP
- LED indicator for power on
- Operating altitude up to 5000 m
- With conforming coating and terminal cover

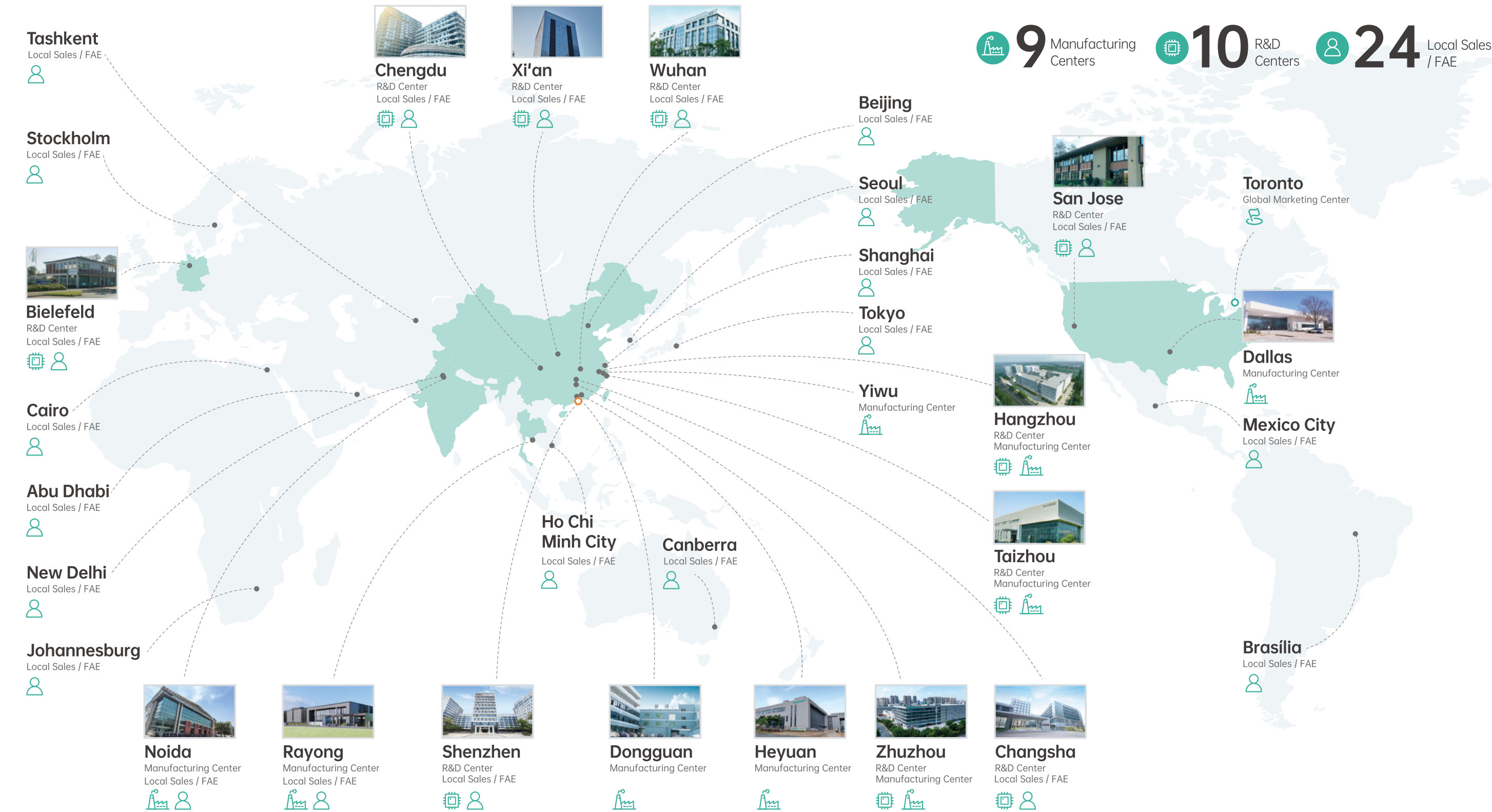
Parameter				
Input Voltage	170 to 264 VAC / 210 to 370 VDC			
Frequency Range	(50 to 60 Hz) ± 5%			
Efficiency	82.0%		83.0%	
Inrush Current (Cold Start)	< 40 A @ 230 VAC, +25 °C			
Output Voltage	+15 V	-15 V	+15 V	-15 V
Output Current	0.40 to 2.00 A	0 to 2.00 A	0.50 to 3.00 A	0 to 3.00 A
Hold-up Time at Full Load	≥ 20 ms @ 230 VAC, +25 °C			
Protection Function	Over current / over voltage / short circuit			
Operating Temperature	-20 °C to +70 °C			
EMI	Meet EN55032 class A; 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	129 x 97 x 30 (mm)			
Approvals	CE			

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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Version: 202511

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