

Charging Station Solution

MEGMEET focuses on power module and provides a one-stop solution for ODM, JDM, SKD and OEM charging system products with a powerful research and design platform, excellent supply chain platform, and lean production managemernt platform.

PV & ESS & EV Charging Solution

- PCS

□ BMS

□ EMS
- Inverter

■ EV Charger

■ CCU / TCU / PLC
- Air Conditioner

□ ESS
- Battery Pack

■ Charging Module
- CCS

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Version: 202510
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Super Fast Charging Stations

SFC 30



Product Advantages



Universal compatibility
meet the charging needs of different vehicles, the first choice for destination charging scenarios



Smart connectivity
4G communication, supports interconnection of charging operation platforms



Safe & reliable
with multiple protection functions, input and output have double protection measures



Efficient & convenient
flexible and easy installation, fast charging speed and high charging efficiency

Product Parameters

AC Input	
Input Voltage Range	380 ± 15% / 400 ± 10% VAC
Rated Input Voltage	380 / 400 VAC
Rated Frequency	50 / 60 Hz
Power Factor	≥ 0.99
Input System	3W + N + PE
DC Output	
Output Power	30 kW
Output Voltage Range	200 to 1000 VDC
Constant Power Output Voltage Range	300 to 1000 VDC
Stabilized Voltage Precision	≤ ± 0.5%
Stabilized Current Precision	≤ ± 1%
Efficiency	≥ 94%
Noise	≤ 65 dB @ +25 °C
Working Environment Conditions	
Operating Temperature	-30 °C to +50 °C
Storage Temperature	-40 °C to +75 °C
Relative Humidity	5 to 95% without condensation
Altitude	≤ 2000 m
Cooling Mode	Forced air cooling
Function	
Communication	GB/T: CAN CCS2: PLC
Protective Function	Over / under voltage protection, overload protection, short circuit protection, over temperature protection, grounding protection, surge protection, etc.
Wireless Network Connection	Support
Mode of Payment	Swipe card, scan code, etc.
Charging Interface	Single-connector
Appearance	
Dimensions (W x H x D)	700 x 650 x 243 (mm)
Installation	Wall mount, stand pole
IP Grade	IP54
Cable Length	5 m
Certifications Ability	UL, CE

Super Fast Charging Stations

SFC 40



Product Advantages



Fast charging

wide voltage output 200 to 1000 V, fast charging capabilities for EV cars



Safe & efficient

multiple protection measures such as over-current, over-voltage, over-temperature, etc.



Intelligent operation & Maintenance

simple and efficient maintenance, supports remote OTA online upgrade



Flexible expansion

the output power can be flexibly expanded and smoothly upgraded to 60 kW

Product Parameters

AC Input		
Input Voltage Range	380 ± 15% / 400 ± 10% VAC	380 to 400 VAC
Rated Input Voltage	380 / 400 VAC	380 VAC
Rated Frequency	50 / 60 Hz	
Power Factor	> 0.99 @ full load, > 0.98 @ half load	≥ 0.99
Input System	3W + N + PE	
DC Output		
Output Power	40 kW	
Output Voltage Range	200 to 1000 VDC	20 to 120 VDC
Stabilized Voltage Precision	≤ ± 0.5%	
Stabilized Current Precision	≤ ± 1% @ load current > 30 A	≤ ± 1%
Efficiency	≥ 94%	
Noise	≤ 65 dB @ +25 °C	≤ 65 dB
Working Environment Conditions		
Operating Temperature	-30 °C to +50 °C	-20 °C to +50 °C
Storage Temperature	-40 °C to +70 °C	-40 °C to +75 °C
Relative Humidity	5 to 95% without condensation	5 to 95%
Altitude	≤ 2000 m	≤ 2000 m (Derating is required if the power exceeds 2000 m)
Cooling Mode	Forced air cooling	
Function		
Communication	GB/T: CAN CCS2: PLC	CAN
Protective Function	Over / under voltage protection, overload protection, short circuit protection, over temperature protection, grounding protection, surge protection, etc.	Short circuit, over current, over temperature, emergency stop, battery reverse connection protection
Wireless Network Connection	Support	Support 4G / WIFI optional
Mode of Payment	Swipe card, QR code	Plug and Charge
Charging Interface	Double connector	
Appearance		
Dimensions (W x H x D)	700 x 1300 x 460 (mm)	
Installation	Floor installation	
IP Grade	IP54	
Cable Length	5 m	
Certifications Ability	UL, CE	

Super Fast Charging Stations

SFC 60



Product Advantages



Universal compatibility
meet the charging needs of different vehicles, the first choice for destination charging scenarios



Smart connectivity
4G communication, supports interconnection of charging operation platforms



Safe & reliable
with multiple protection functions, input and output have double protection measures



Efficient & convenient
flexible and easy installation, fast charging speed and high charging efficiency

Product Parameters

AC Input	
Input Voltage Range	380 ± 15% / 400 ± 10% VAC
Rated Input Voltage	380 / 400 VAC
Rated Frequency	50 to 60 Hz
Power Factor	≥ 0.99
Input System	3W + N + PE
DC Output	
Output Power	60 kW
Output Voltage Range	200 to 1000 VDC
Stabilized Voltage Precision	≤ ± 0.5%
Stabilized Current Precision	≤ ± 1%
Efficiency	≥ 94%
Noise	< 65 dB (@ +25 °C)
Working Environment Conditions	
Operating Temperature	-30 °C to +50 °C
Storage Temperature	-40 °C to +70 °C
Relative Humidity	5 to 95%
Altitude	≤ 2000 m (Derating is required if the power exceeds 2000 m)
Cooling Mode	Forced air cooling
Function	
Communication	GB/T: CAN CCS2: PLC
Protective Function	Short circuit, over current, over temperature, emergency stop, battery reverse connection protection
Wireless Network Connection	Support 4G / WIFI optional
Mode of Payment	Swipe card, QR code
Charging Interface	Double connector
Appearance	
Dimensions (W x H x D)	700 x 1300 x 460 (mm)
Installation	Floor installation
IP Grade	IP54
Cable Length	5 m
Certifications Ability	UL, CE

Super Fast Charging Stations

SFC 60 to 180



Product Advantages



Fast charging

wide voltage output 200 to 1000 V, fast charging capabilities for EV cars



Safe & efficient

multiple protection measures such as over-current, over-voltage, over-temperature, etc.



Intelligent operation & Maintenance

simple and efficient maintenance, supports remote OTA online upgrade



Flexible expansion

the output power can be flexibly expanded and smoothly upgraded to 180 kW

Product Parameters

AC Input	
Input Voltage Range	380 ± 15% / 400 ± 10% VAC
Rated Input Voltage	380 / 400 VAC
Rated Frequency	50 / 60 Hz
Power Factor	> 0.99 @ full load, > 0.98 @ half load
Input System	3W + N + PE
DC Output	
Output Power	60 to 180 kW
Output Voltage Range	200 to 1000 VDC
Constant Power Output Voltage Range	300 to 1000 VDC
Stabilized Voltage Precision	≤ ± 0.5%
Stabilized Current Precision	≤ ± 1%
Efficiency	≥ 94%
Noise	≤ 75 dB @ +25 °C
Working Environment Conditions	
Operating Temperature	-30 °C to +50 °C
Storage Temperature	-40 °C to +70 °C
Relative Humidity	5 to 95%
Altitude	≤ 2000 m (over 2000 m, the rating needs to be reduced)
Cooling Mode	Air cooling
Function	
Communication	GB/T: CAN CCS2: PLC
Protective Function	Short-circuit protection, overcurrent protection, over-temperature protection, lighting protection, scam protection, battery anti-lysis protection
Wireless Network Connection	Support
Mode of Payment	Swipe card, scan code
Charging Interface	Double connector
Appearance	
Dimensions (W x H x D)	700 x 1780 x 460 (mm)
Installation	Floor installation
IP Grade	IP54
Cable Length	5 m
Human-machine Display	10.1 inch color touch screen
Certifications Ability	UL, CE

Super Fast Charging Stations

SFC 150



Product Advantages

Fast charging

wide voltage output 200 to 1000 V, fast charging capabilities for EV cars

Safe & efficient

multiple protection measures such as over-current, over-voltage, over-temperature, etc.

High-grade protection

equipped with IP54 protection level that can fulfill safety needs under certain environment

Flexible efficient

flexible design that can based on the customers' needs either can be 1 to 3 guns

Product Parameters

AC Input	
Input Voltage Range	380 ± 15% / 400 ± 10% VAC
Rated Input Voltage	380 / 400 VAC
Rated Frequency	50 / 60 Hz
Power Factor	≥ 0.99
Input System	3W + N + PE
DC Output	
Output Power	150 kW
Output Voltage Range	200 to 1000 VDC
Constant Power Output Voltage Range	300 to 1000 VDC
Stabilized Voltage Precision	≤ ± 0.5%
Stabilized Current Precision	≤ ± 1%
Efficiency	≥ 94%
Noise	≤ 75 dB @ +25 °C
Working Environment Conditions	
Operating Temperature	-30 °C to +50 °C
Storage Temperature	-40 °C to +75 °C
Relative Humidity	5 to 95%
Altitude	≤ 2000 m (over 2000 m, the rating needs to be reduced)
Cooling Mode	Air cooling
Function	
Communication	GB/T: CAN CCS2: PLC
Protective Function	Short-circuit protection, overcurrent protection, over-temperature protection, lighting protection, scam protection, battery anti-lysis protection
Wireless Network Connection	Support
Mode of Payment	Swipe card, scan code
Charging Interface	Single or double connector or three connector
Appearance	
Dimensions (W x H x D)	780 x 1710 x 760 (mm)
Installation	Floor installation
IP Grade	IP54
Cable Length	5 m
Human-machine Display	10.1 inch color touch screen
Certifications Ability	UL, CE

Super Fast Charging Stations

SFC 240



Product Advantages



Fast charging

wide voltage output 200 to 1000 V, fast charging capabilities for EV cars



Safe & efficient

multiple protection measures such as over-current, over-voltage, over-temperature, etc.



Intelligent operation & Maintenance

simple and efficient maintenance, supports remote OTA online upgrade



High-grade protection

equipped with IP55 protection level



Product Parameters

AC Input	
Input Voltage Range	380 ± 15% / 400 ± 10% VAC
Rated Input Voltage	380 / 400 VAC
Rated Frequency	50 / 60 Hz
Power Factor	≥ 0.99
Input System	3W + N + PE
DC Output	
Output Power	240 kW
Output Voltage Range	200 to 1000 VDC
Constant Power Output Voltage Range	300 to 1000 VDC
Stabilized Voltage Precision	≤ ± 0.5%
Stabilized Current Precision	≤ ± 1%
Efficiency	≥ 94%
Noise	≤ 75 dB @ +25 °C
Working Environment Conditions	
Operating Temperature	-30 °C to +50 °C
Storage Temperature	-40 °C to +75 °C
Relative Humidity	5 to 95%
Altitude	≤ 2000 m (over 2000 m, the rating needs to be reduced)
Cooling Mode	Air cooling
Function	
Communication	GB/T: CAN CCS2: PLC
Protective Function	Short-circuit protection, overcurrent protection, over-temperature protection, lighting protection, scram protection, battery anti-lysis protection
Wireless Network Connection	Support
Mode of Payment	Swipe card, scan code
Charging Interface	Single or double connector
Appearance	
Dimensions (W x H x D)	1140 x 1015 x 850 (mm)
Installation	Floor installation
IP Grade	IP55
Cable Length	5 m
Human-machine Display	10.1 inch color touch screen
Certifications Ability	UL, CE

Split Type Super Fast Charging Stations



Product Advantages



Liquid cooling supercharging
integrated super harging and fast charging, liquid-cooling terminal with a maximum output power of 600 kW



Flexible allocation
flexibly allocate charging power to each terminal based on the number of charging vehicles



Intelligent operation & maintenance
simple and efficient maintenance, supports remote OTA online upgrade



Safe & efficient
oil cooling for super charger terminal to ensure charging safety, length of guns is adjustable

Product Parameters

AC Input				
Input Voltage Range	380 ± 15% VAC			
Rated Input Voltage	380 / 400 VAC			
Rated Frequency	50 Hz			
Power Factor	≥ 0.99			
Input System	3W + N + PE			
DC Output				
Output Power	600 kW			
Output Voltage Range	200 to 1000 VDC			
Constant Power Output Voltage Range	300 to 1000 VDC			
Maximum Continuous Output Current	Fast charging terminal	250 A	Super charging terminal	600 A
Charging Interface Configuration (PCS)	A maximum of 12 ports (10 fast Charging Interfaces and 2 super Charging Interfaces)			
Efficiency	≥ 94%			
Noise	≤ 70 dB			
Working Environment Conditions				
Operating Temperature	-20 °C to +50 °C			
Storage Temperature	-40 °C to +70 °C			
Relative Humidity	5 to 95%			
Altitude	≤ 2000 m (Derating is required if the power exceeds 2000 m)			
Cooling Mode	Rectifier cabinet: forced air cooling; fast charging end: natural air cooling; super charging end: liquid cooling			
Function				
Communication	CAN			
Protective Function	Short circuit, over current, over temperature, lightning strike, emergency stop, battery reverse connection protection			
Wireless Network Connection	Support 4G / WIFI optional			
Mode of Payment	Swipe card, scan code, etc.			
Charging Interface	2 fast charging terminals and 1 super charging terminal			
Appearance				
Installation	Floor installation			
IP Grade	IP55			
Cable Length	5 / 3.5 m optional			
Maintainability	Support remote online upgrade			
Certifications Ability	UL, CE			

20 kW Charging Module

MIPC1000-80T



Product Advantages



Wide constant power range
wide constant power output range, create an efficient charging experience



State grid unified size
standardized design

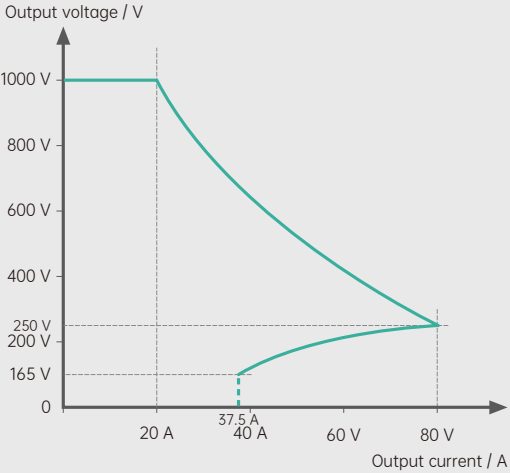


Flexible expansion
support multiple machines parallel use



Intelligent control
fully digital precision control

Output Characteristic Curve



Product Parameters

AC Input	
Input Voltage Range	Three-phase and four-line 323 to 456 VAC (full load) 285 to 475 VAC (voltage range)
Maximum Input Current	< 38 A
Frequency Range	50 / 60 Hz ± 5%
Power Factor	> 0.99 @ full load; > 0.98 @ half load
Harmonic Current	< 5% @ half load-full load @ 380 VAC
Efficiency	Up to 95.7%
DC Output	
Output Power	20 kW
Output Voltage Range	200 to 1000 V
Constant Power Output Voltage Range	250 to 1000 V
Output Current	≤ 80 A
Equal Current Unbalance	≤ ± 5%
Stabilized Voltage Precision	≤ ± 0.5%
Stabilized Current Precision	≤ ± 1% (20% to 100% rated load)
Output Voltage Setting Error	≤ ± 0.5%
Monitor	
Communication	CAN
Maximum Number of Simultaneous Machines	31
Working Condition Indicator	Green light - normal Yellow light - alarm Red light - fault
Working Environment Conditions	
Operating Temperature	-40 °C to +75 °C
Storage Temperature	-40 °C to +75 °C
Relative Humidity	5 to 95% no condensation
Cooling Mode	Intelligent air cooling
Altitude	Installation height ≤ 4000 m; > 2000 m, for every 100 m of altitude increase, the module needs to be derated by +1 °C in advance
Product Reliability and Safety	
MTBF	300,000 hours
Insulation and Voltage Resistance	4.2 kVDC - Input to output 3.5 kVDC - Input to FG 3.5 kVDC - Output to FG 4.2 kVDC - Input to CAN 4.2 kVDC - Output to CAN
Alarm and Protection	
Input Over / Under Voltage Protection	Automatic shutdown protection, automatically resume work after normal input
Output Overvoltage Protection	Automatic shutdown and lock, power on again to resume operation
Output Over-current and Short-circuit Protection	Automatic shutdown and lock, power on again to resume operation
Over Temperature Protection	Automatic shutdown protection, automatically resume work after the temperature returns to normal
Dimensions and Weight	
Dimensions (W x H x D)	248 × 84 × 460 mm (without handle)
Weight	10.3 kg

20 kW Charging Module

MPS10020KT-C



Product Advantages



Low voltage and high current
a sharp charging tool for electric equipment in construction machinery



High power density
reducing system costs

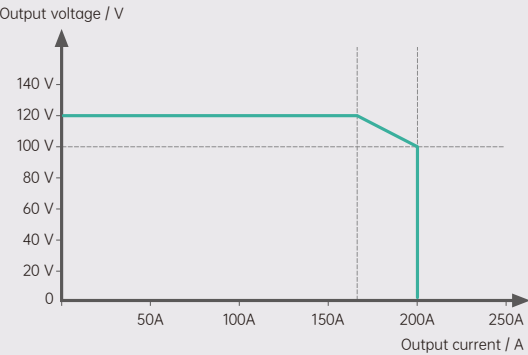


Flexible expansion
support parallel use of multiple machines



Intelligent control
fully digital precision control

Output Characteristic Curve



Product Parameters

AC Input	
Input Voltage Range	Three-phase four-wire 323 to 437 VAC (full load) 280 to 485 VAC (operating voltage range)
Maximum Input Current	< 38 A
Frequency Range	50 / 60 Hz ± 5%
Power Factor	> 0.99 @ full load; > 0.98 @ half load
Harmonic Current	< 5% @ half load-full load @ 380 VAC
Efficiency	Up to 95%
DC Output	
Output Power	20 kW
Output Voltage Range	20 to 120 V
Constant Power Output Voltage Range	100 to 120 V
Output Current	≤ 200 A
Equal Current Unbalance	≤ ± 5%
Stabilized Voltage Precision	≤ ± 0.5%
Stabilized Current Precision	≤ ± 1% (20% to 100% rated load)
Output Voltage Setting Error	≤ ± 0.5%
Monitor	
Communication	CAN
Maximum Number of Parallel Machines	15
Working Condition Indicator	Green light on - normal Yellow light on - alarm Red light on - fault
Working Environment Conditions	
Operating Temperature	-40 °C to +65 °C
Storage Temperature	-40 °C to +65 °C
Relative Humidity	5 to 95% no condensation
Cooling Mode	Intelligent air cooling
Altitude	Installation height ≤ 4000 m; > 2000 m, for every 100 m of altitude increase, the module needs to be derated by +1 °C in advance
Product Reliability and Safety	
MTBF	> 300,000 hours
Insulation and Voltage Resistance	4.2 kVDC - Input to output 2.1 kVDC - Input to ground 2.1 kVDC - Output to ground 4.2 kVDC - Input to CAN 2.5 kVDC - Output to CAN
Alarm and Protection	
Input Over / Under Voltage Protection	Automatic shutdown protection, automatically resume work after normal input
Output Overvoltage Protection	Automatic shutdown and lock, power on again to resume operation
Output Over-current and Short-circuit Protection	Automatic shutdown and lock, power on again to resume operation
Over Temperature Protection	Automatic shutdown protection, automatically resume work after the temperature returns to normal
Dimensions and Weight	
Dimensions (W x H x D)	226 × 85 × 395 mm (without handle)
Weight	10.2 kg

20 kW Charging Module

MPS20020KT-C



Product Advantages



Low voltage and high current
a sharp charging tool for electric equipment in construction machinery



High power density
reducing system costs

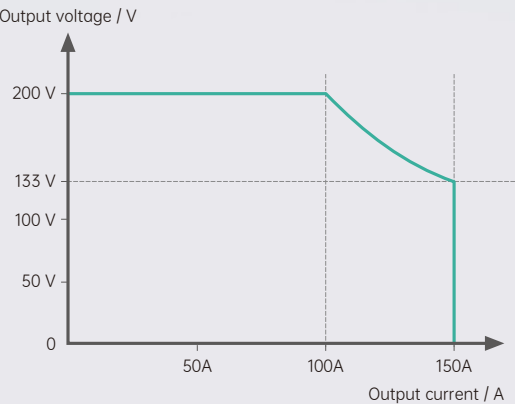


Flexible expansion
support parallel use of multiple machines



Intelligent control
fully digital precision control

Output Characteristic Curve



Product Parameters

AC Input	
Input Voltage Range	Three-phase four-wire 323 to 437 VAC (full load) 280 to 485 VAC (operating voltage range)
Maximum Input Current	< 38 A
Frequency Range	50 / 60 Hz ± 5%
Power Factor	> 0.99 @ full load; > 0.98 @ half load
Harmonic Current	< 5% @ half load-full load @ 380 VAC
Efficiency	Up to 95%
DC Output	
Output Power	20 kW
Output Voltage Range	20 to 200 V
Constant Power Output Voltage Range	133 to 200 V
Output Current	≤ 150 A
Equal Current Unbalance	≤ ± 5%
Stabilized Voltage Precision	≤ ± 0.5%
Stabilized Current Precision	≤ ± 1% (20% to 100% rated load)
Output Voltage Setting Error	≤ ± 0.5%
Monitor	
Communication	CAN
Maximum Number of Parallel Machines	15
Working Condition Indicator	Green light - normal Yellow light - alarm Red light - fault
Working Environment Conditions	
Operating Temperature	-40 °C to +65 °C
Storage Temperature	-40 °C to +65 °C
Relative Humidity	5 to 95% no condensation
Cooling Mode	Intelligent air cooling
Altitude	Installation height ≤ 4000 m; > 2000 m, for every 100 m of altitude increase, the module needs to be derated by +1 °C in advance
Product Reliability and Safety	
MTBF	> 300,000 hours
Insulation and Voltage Resistance	4.2 kVDC - Input to output 2.1 kVDC - Input to ground 2.1 kVDC - Output to ground 4.2 kVDC - Input to CAN 2.5 kVDC - Output to CAN
Alarm and Protection	
Input Over / Under Voltage Protection	Automatic shutdown protection, automatically resume work after normal input
Output Overvoltage Protection	Automatic shutdown and lock, power on again to resume operation
Output Over-current and Short-circuit Protection	Automatic shutdown and lock, power on again to resume operation
Over Temperature Protection	Automatic shutdown protection, automatically resume work after the temperature returns to normal
Dimensions and Weight	
Dimensions (W x H x D)	226 × 85 × 395 mm (without handle)
Weight	10.2 kg

30 kW Charging Module

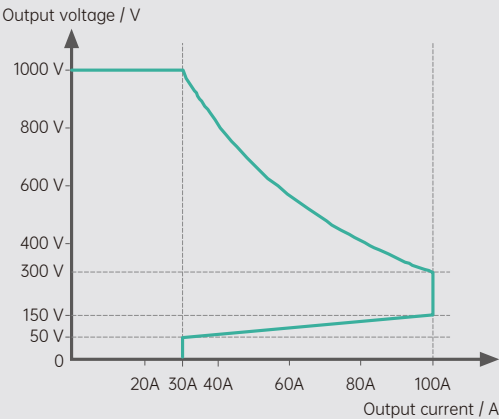
MIPC 1000-100 Series



Product Advantages

- Ultra-wide range**
wide output voltage range, meet the needs of new energy vehicles charging requirements
- Global applicability**
whole series are widely used in global high-voltage fast-charging network
- Flexible expansion**
support multiple machines parallel use
- Intelligent control**
fully digital precision control

Output Characteristic Curve



Product Parameters

AC Input	
Input Voltage Range	Three-phase four-wire 323 to 456 VAC (full load) 280 to 480 VAC (operating voltage range)
Maximum Input Current	< 57 A
Frequency Range	50 / 60 Hz ± 5%
Power Factor	> 0.99 @ full load; > 0.98 @ half load
Harmonic Current	< 5% @ half load-full load @ 380 VAC @ 480 VAC
Efficiency	Up to 96.5%
DC Output	
Output Power	30 kW
Output Voltage Range	150 to 1000 V
Constant Power Output Voltage Range	300 to 1000 V
Output Current	≤ 100 A
Equal Current Unbalance	≤ ± 5%
Stabilized Voltage Precision	≤ ± 0.5%
Stabilized Current Precision	≤ ± 1% (20% to 100% rated load)
Output Voltage Setting Error	≤ ± 0.5%
Monitor	
Communication	CAN
Maximum Number of Simultaneous Machines	31
Working Condition Indicator	Green light - normal Yellow light - alarm Red light - fault
Working Environment Conditions	
Operating Temperature	-40 °C to +75 °C
Storage Temperature	-40 °C to +75 °C
Relative Humidity	5 to 95% no condensation
Cooling Mode	Intelligent air cooling
Altitude	Installation height ≤ 4000 m; > 2000 m, for every 100 m of altitude increase, the module needs to be derated by +1 °C in advance
Product Reliability and Safety	
MTBF	> 300,000 hours
Insulation and Voltage Resistance	4.2 kVDC - Input to output 3.5 kVDC - Input to ground 3.5 kVDC - Output to ground 4.2 kVDC - Input to CAN 4.2 kVDC - Output to CAN
Alarm and Protection	
Input Over / Under Voltage Protection	Automatic shutdown protection, automatically resume work after normal input
Output Overvoltage Protection	Automatic shutdown and lock, power on again to resume operation
Output Over-current and Short-circuit Protection	Automatic shutdown and lock, power on again to resume operation
Over Temperature Protection	Automatic shutdown protection, automatically resume work after the temperature returns to normal
Dimensions and Weight	
Dimensions (W x H x D)	300 × 84 × 437.5 mm (without handle)
Weight	15.4 kg

40 kW Charging Module

MIPC1000-135G



Product Advantages



Ultra-wide range
Ultra-wide output voltage range, providing efficient charging solutions for new energy vehicles worldwide



Global applicability
Series products are widely used in the global high-voltage fast charging network

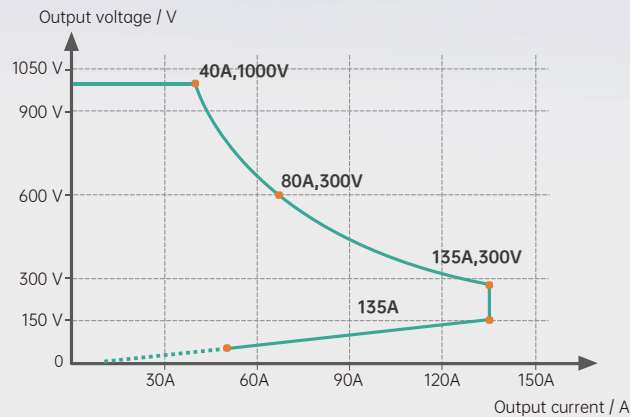


Flexible expansion
Supports parallel use of multiple machines



Intelligent control
Fully digital precision control, zero standby power consumption

Maximum load curve



Product Parameters

AC Input	MIPC1000-135G1	MIPC1000-135G2
Input Voltage Range	Three-phase and four-line 342 to 530 VAC (full load) 285 to 530 VAC (voltage range)	Three-phase three-wire / four-wire 323 to 480 VAC (Full load voltage) 260 to 480 VAC (Operating voltage)
Maximum Input Current	< 75 A	
Frequency Range	50 / 60 Hz ± 5%	50 / 60 Hz ± 5 Hz
Power Factor	> 0.99 @ half load to full load; MIPC1000-135G1: VPFC 0.9 C ~ 1 ~ 0.9 L @ 400 VAC 20% to 100% Load	> 0.99 @ 50%~100% load
Harmonic Current	< 5% @ half load-full load @ 380 VAC	
Efficiency	≥ 96.5%	
DC Output		
Output Power	40 kW	
Output Voltage Range	150 to 1000 V	
Constant Power Output Voltage Range	296.3 to 1000 V	
Output Current	≤ 135 A	
Equal Current Unbalance	≤ ± 5%	
Stabilized Voltage Precision	≤ ± 0.5%	
Stabilized Current Precision	≤ ± 1% (20% to 100% rated load)	
Output Voltage Setting Error	≤ ± 0.5%	
Monitor		
Communication	CAN2.0 B, 125 kbps	CAN 2.0 B, 125 / 250 / 500 kbps
Maximum Number of Simultaneous Machines	32	60
Working Condition Indicator	Green light - normal Yellow light - alarm Red light - fault	Green light - normal operation Yellow light - warning Red light - fault
Working Environment Conditions		
Operating Temperature	-40 °C to +75 °C	
Storage Temperature	-40 °C to +75 °C	
Relative Humidity	5 to 95% no condensation	
Cooling Mode	Intelligent air cooling	
Altitude	Installation height ≤ 4000 m; > 2000 m, for every 100 m of altitude increase, the module needs to be derated by +1 °C in advance	Operating altitude range ≤ 4000 m; > 2000 m, Every 100 m Temperature derating point reduced by 1 °C
Product Reliability and Safety		
MTBF	> 300,000 hours	
EMC / EMI	> 300,000 hours	
Insulation and Voltage Resistance	4.2 kVDC - Input to output 3.5 kVDC - Input to FG 3.5 kVDC - Output to FG 4.2 kVDC - Input to CAN 4.2 kVDC - Output to CAN	
Alarm and Protection		
Input Over / Under Voltage Protection	Automatic shutdown protection, resume working automati cally after normal input	Automatic shutdown protection, automatically resumes work after input voltage returns to normal
Output Overvoltage Protection	Automatic shutdown and lock, power on again to resume operation	Automatically shuts down and locks, requires manual operation to resume work
Output Over-current and Short-circuit Protection	Automatic shutdown and lock, power on again to resume operation	Automatically shuts down and locks, requires manual operation to resume work
Over Temperature Protection	Automatic shutdown protection,automatically resumes working after normal temperature	Automatic shutdown protection, automatically resumes work after the temperature returns to normal
Dimensions and Weight		
Dimensions (W x H x D)	300 × 100 × 437.5 mm (handle excluded)	
Weight	16 kg	14 kg

60 kW Charging Module

MIPC1000-200G1



Product Advantages



Ultra-wide range
Ultra-wide output voltage range, providing efficient charging solutions for new energy vehicles worldwide



Global applicability
Series products are widely used in the global high-voltage fast charging network

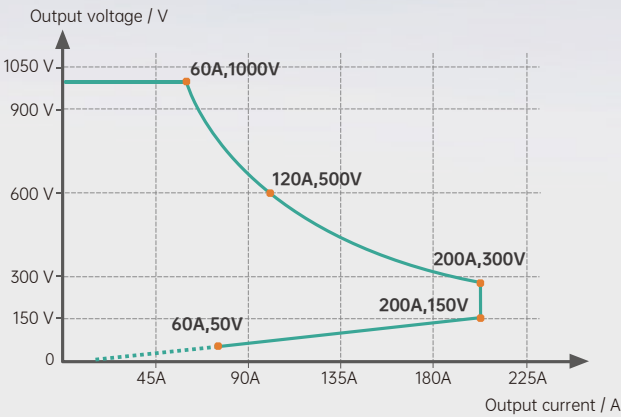


Flexible expansion
Supports parallel use of multiple machines



Intelligent control
Fully digital precision control, zero standby power consumption

Maximum load curve



Product Parameters

AC Input	
Input Voltage Range	Three-phase three-wire / Four lines 323 to 480 VAC (Full load voltage) 260 to 480 VAC (Operating voltage)
Maximum Input Current	< 115 A
Frequency Range	50 / 60 Hz ± 5 Hz
Power Factor	> 0.99 @ 50% to 100% load
Harmonic Current	< 5% @ 50% to 100% load @ 380 VAC
Efficiency	≥ 97 %
DC Output	
Output Power	60 kW
Output Voltage Range	150 to 1000 V
Constant Power Output Voltage Range	300 to 1000 V
Output Current	≤ 200 A
Equal Current Unbalance	≤ ± 5%
Stabilized Voltage Precision	≤ ± 0.5%
Stabilized Current Precision	≤ ± 1% (20% to 100% load)
Output Voltage Setting Error	≤ ± 0.5%
Monitor	
Communication	CAN2.0 B, 125 / 250 / 500 kbps
Maximum Number of Simultaneous Machines	60
Working Condition Indicator	Green light - normal Yellow light - warning Red light - fault
Working Environment Conditions	
Operating Temperature	-40 °C to +75 °C
Storage Temperature	-40 °C to +75 °C
Relative Humidity	5 to 95% no condensation
Cooling Mode	Intelligent air cooling
Altitude	Operating altitude range ≤ 4000 m; > 2000 m, Every 100 m Temperature derating point reduced by 1 °C
Product Reliability and Safety	
MTBF	> 300,000 hours
EMC / EMI	Class B
Insulation and Voltage Resistance	4.2 kVDC - Input to output 3.5 kVDC - Input to FG 3.5 kVDC - Output to FG 4.2 kVDC - Input to CAN 4.2 kVDC - Output to CAN
Alarm and Protection	
Input Over / Under Voltage Protection	Automatic shutdown protection, automatically resumes work after input voltage returns to normal
Output Overvoltage Protection	Automatically shuts down and locks, requires manual operation to resume work
Output Over-current and Short-circuit Protection	Automatically shuts down and locks, requires manual operation to resume work
Over Temperature Protection	Automatic shutdown protection, automatically resumes work after the temperature returns to normal
Dimensions and Weight	
Dimensions (W x H x D)	300 × 100 × 437.5 mm (handle excluded)
Weight	14 kg

25 kW Charging Module

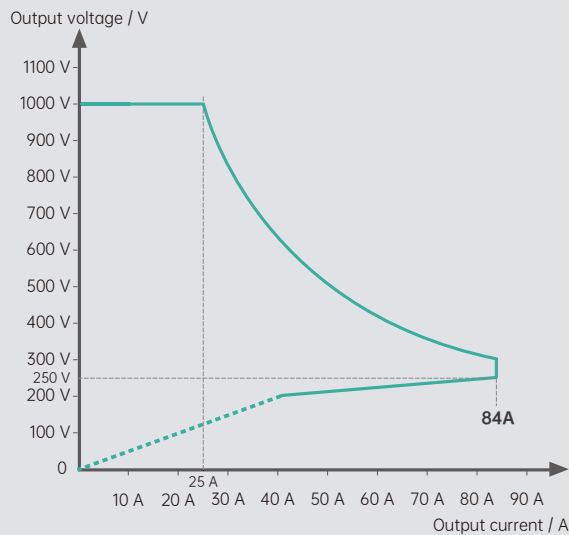
MIPC1000-100GD



Product Advantages

- Ultra-wide range**
ultra-wide output voltage range
- Intelligent control**
fully digital precision control
- Flexible expansion**
support multiple machines in parallel

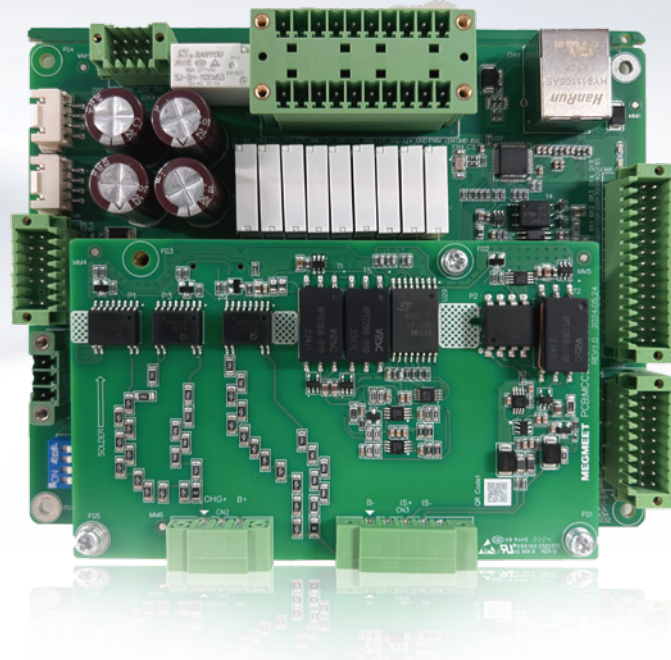
Output Characteristic Curve



Product Parameters

DC Input	
Input Voltage Range	700 VDC (rated voltage) 550 to 830 VDC (operating voltage range)
Maximum Input Current	< 41 A
Efficiency	Up to 96.3%
DC Output	
Output Power	25 kW
Output Voltage Range	200 to 1000 V
Constant Power Output Voltage Range	300 to 1000 V
Output Current	≤ 84 A
Equal Current Unbalance	≤ ± 5%
Stabilized Voltage Precision	≤ ± 0.5%
Stabilized Current Precision	≤ ± 1% (20% to 100% rated load)
Output Voltage Setting Error	≤ ± 0.5%
Monitor	
Communication	CAN2.0B, 125 kbps
Maximum Number of Simultaneous Machines	31
Working Condition Indicator	Green light - normal Yellow light - alarm Red light - fault
Working Environment Conditions	
Operating Temperature	-40 °C to +70 °C (-40 °C can start normally)
Storage Temperature	-40 °C to +75 °C
Relative Humidity	5 to 95% no condensation
Cooling Mode	Intelligent air cooling
Altitude	Installation height ≤ 4000 m; > 2000 m, for every 100 m of altitude increase, the module needs to be derated by +1 °C in advance
Product Reliability and Safety	
MTBF	> 300,000 hours
Insulation and Voltage Resistance	4.2 kVDC - Input to output 3.5 kVDC - Input to ground 3.5 kVDC - Output to ground 4.2 kVDC - Input to CAN 4.2 kVDC - Output to CAN
Alarm and Protection	
Input Over / Under Voltage Protection	Automatic shutdown protection, automatically resume work after normal input
Output Overvoltage Protection	Automatic shutdown and lock, power on again to resume operation
Output Over-current and Short-circuit Protection	Automatic shutdown and lock, power on again to resume operation
Over Temperature Protection	Automatic shutdown protection, automatically resumes working after normal temperature
Dimensions and Weight	
Dimensions (W x H x D)	300 × 84 × 437.5 mm (handle excluded)
Weight	15.4 kg

Charger Communication Control Unit (CCU)



Applications

CCU mainly plays the role of electrical protection, interacting with the vehicle's BMS and controlling the on-off switching of contactors.

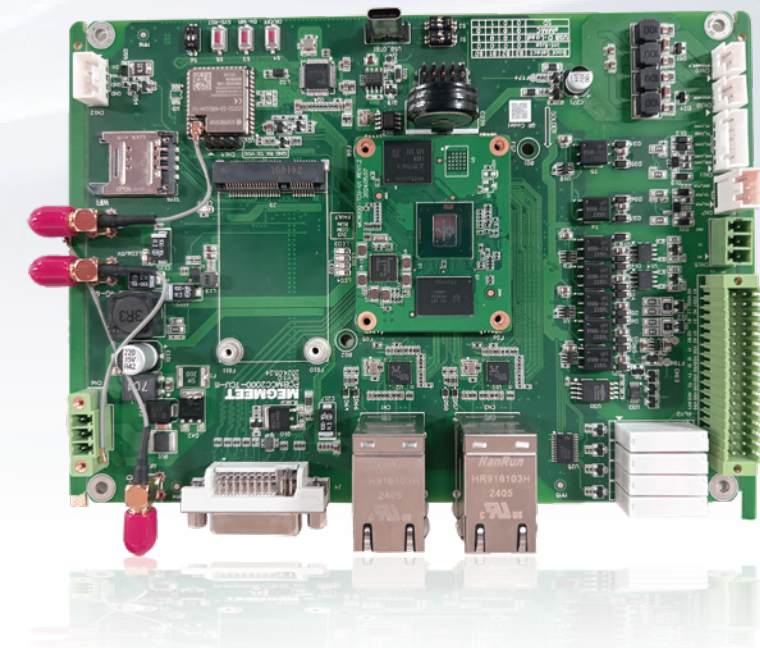
Product Advantages

-  Rich and diverse communication interfaces
-  Integrated insulation detection circuit
-  Low temperature -30°C normal work

Specifications

Input voltage:	— DC 12V			
Interface parameters:	— 2 DO ports	— 1 PWM output	— 3 CAN ports	— 1-channel RS485,
	— 15 DI ports	— 2-channels temperature sampling	— 1 Ethernet port	1-channel RS232

Charger Telematics Control Unit (TCU)



Applications

CTCU supports human-computer interaction functions such as LVDS display, multiple mode of payments, interaction with multiple cloud platforms, user info storage and encryption functions.

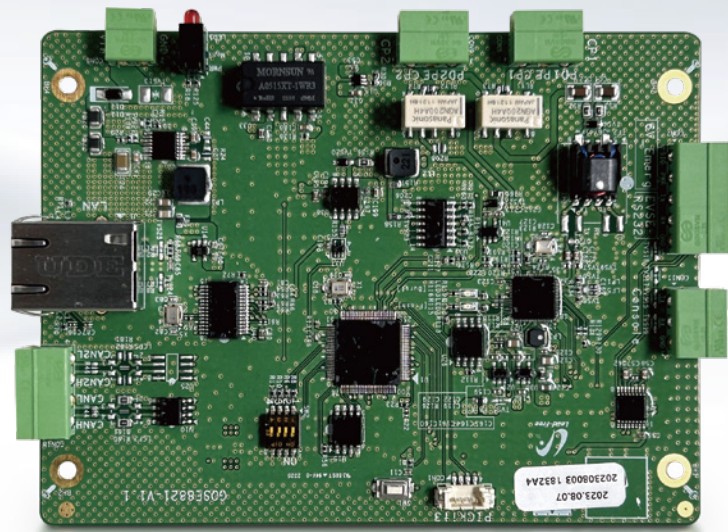
Product Advantages

-  Support multiple mode of payments: POS, M1 card, QR code
-  Support 4G and WIFI
-  Low temperature -30 °C normal work

Specifications

Input voltage:	— DC 12V		
Storage chip:	— Quad-core 64-bit Cortex-A53 processor, main frequency 1.8 GHz	— LPDDR4, 2GB 4266 Mbps	
	— eMMC 5.1, 16GB		
Interface parameters:	— 3-channel RS	— 2-channels, CAN 2.0B	— 1 channel, 10 / 100 / 1000 M Ethernet port
	— 1-channel RS485	— 2-channels, 10 / 100 M Ethernet port	

Charger Protocol Converter (PLC)



Applications

PLC protocol converter supports supports European standard, American standard, Japanese standard and other CCS charging protocol.

Function

- Support CCS, CHAdeMO (optional) protocols
- CCS compatible with DIN 70121, ISO15118 Standard
- CHAdeMO support, 2.0 technology standard (optional)
- Support IEC 61851-2:2023 charging interface control standard
- Multiple external relay control (optional)
- Insulation detection, ground protection monitoring
- Local CAN, remote upgrade
- Supports all standard Proxima Detection (PD)
- Support EIM, PNC Payment Protocol
- Local support for RS232 diagnosis, debugging, and upgrading

Specifications

Charging standards:	— CCS, CHAdeMO 2.0 (Optional)	Communication port:	— CAN, RS232
Electricity supply:	— Typical supply voltage: 12 / 24 VDC — Input voltage range: 9 to 26 VDC	Dimension:	— 119 x 229 (mm)
Working power consumption:	— < 2 W for CCS, Max. 40 W for CHAdeMO	Range of working temperature:	— -40 °C to +85 °C

R&D CAPABILITY

Sustainable R&D Investment

R&D Investment

R&D Employees

>3,000

Percentage of Total Employees

35%

Percentage of Total Sales

>12%

Patents & Industry Standards

No. of Patents & IP Rights

1,990⁺

400+ new in 2024

National & International Standards

32

9 lead author

Industry Standards Drafted

38

28 lead author

R&D Investment (in Millions of USD)

R&D Investment

Percentage of Total Sales

Year	R&D Investment (Millions of USD)	Percentage of Total Sales
2013	9.1	13.77%
2014	11.1	12.13%
2015	14.4	11.93%
2016	17.4	10.98%
2017	26.3	11.81%
2018	37.4	10.52%
2019	50.2	9.42%
2020	54.7	10.90%
2021	68.5	11.09%
2022	93.9	11.55%
2023	106.5	11.41%
2024	137.9	12.04%

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



Zhuzhou, China



Zhuzhou II, China



Heyuan, China



Hangzhou, China



Taizhou, China



Rayong, Thailand

FY2023	Total Plant Area 422,492 m ²	Production Lines 184	PCBA per Year 90M PCS
By FY2028	Total Plant Area 666,518 m ²	Production Lines 390	PCBA per Year 284M PCS

Having a complete sheet metal production chain — Production Equipment



CNC Machine Tools



CNC Machine Tools



CNC Machine Tools



CNC Machine Tools

Having a complete sheet metal production chain — Sheet Metal Spraying



Spraying Equipment



Spraying Equipment



Spraying Equipment

Having a complete sheet metal production chain — Production & Assembly



Charging Pile Assembly Production Workshop



Energy Storage Cabinet Assembly Workshop



PACK Production Line

Having a complete sheet metal production chain — Testing & Inspection



RoHS Testing Equipment



Salt Spray Testing Machine



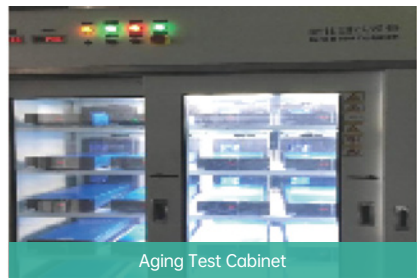
Waterproof Test System



Load Testing Machine



Laser Welding Machine



Aging Test Cabinet

ODM

OEM



System Components
Supplier



Mass Customization
Source Factory



One-Stop
Solution