

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

☐ Inverter

☐ Air Conditioner

☐ Battery Pack

☐ CCS
- ☐ BMS

☐ EV Charger

☐ ESS

☐ Charging Module
- ☐ EMS

☐ CCU / TCU / PLC

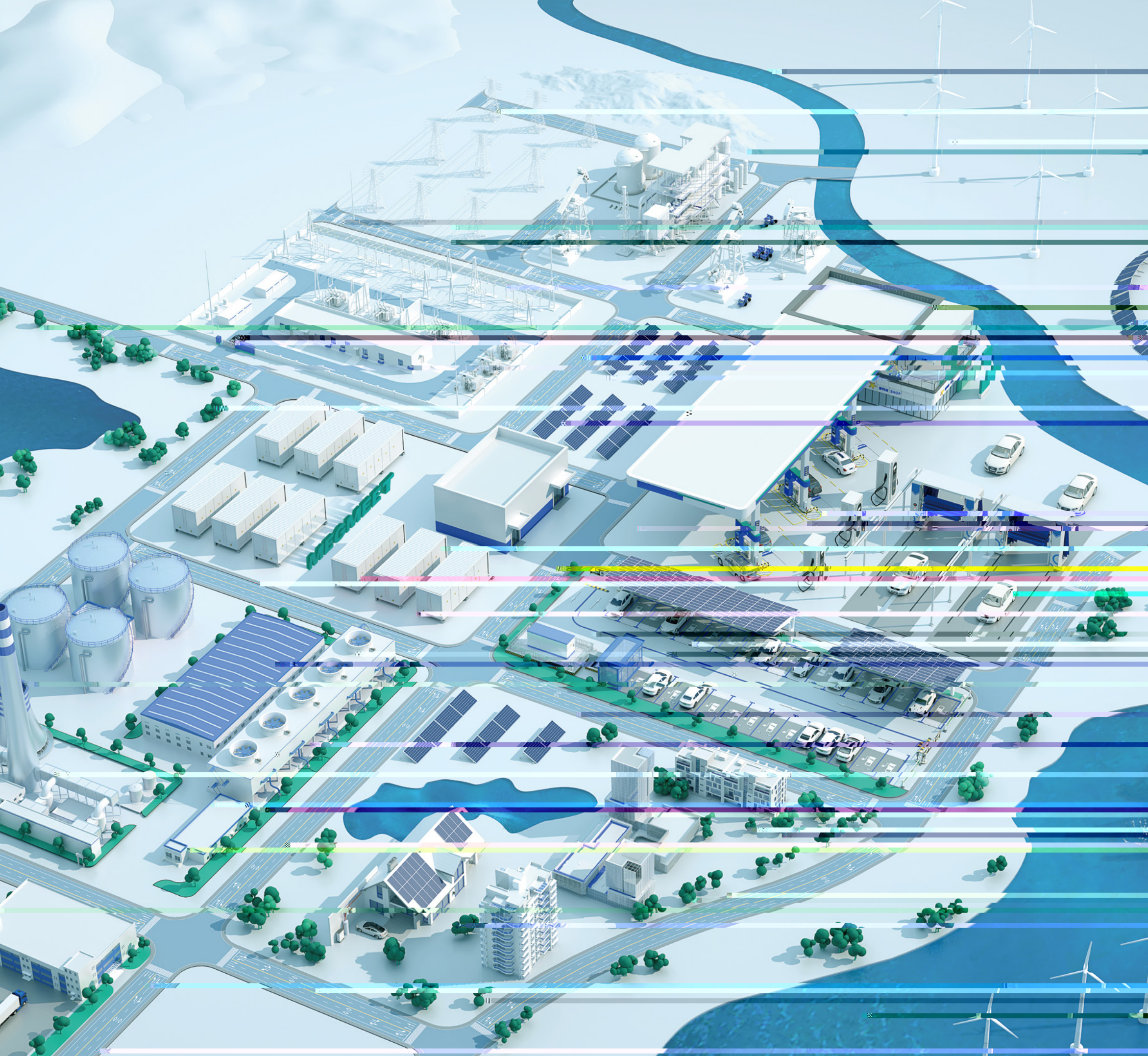
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Super Fast Charging Stations

SFC 30



Universal compatibility
meet the charging needs of different 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

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	
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%
	≥ 94%
Noise	≤
Working Environment Conditions	
Operating Temperature	
Storage Temperature	
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)	
Installation	Wall mount, stand pole
IP Grade	IP54
Cable Length	5 m
	UL, CE

Super Fast Charging Stations

SFC 40



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	

DC Output

Output Power	40 kW
Output Voltage Range	200 to 1000 VDC
Stabilized Voltage Precision	≤ ± 0.5%
Stabilized Current Precision	≤ ± 1% @ load current > 30 A
	≥ 94%
Noise	≤

Working Environment Conditions

Operating Temperature	
Storage Temperature	
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, QR code
Charging Interface	

Appearance

Dimensions (W x H x D)	
Installation	Floor installation
IP Grade	IP54
Cable Length	5 m
	UL, CE

Super Fast Charging Stations

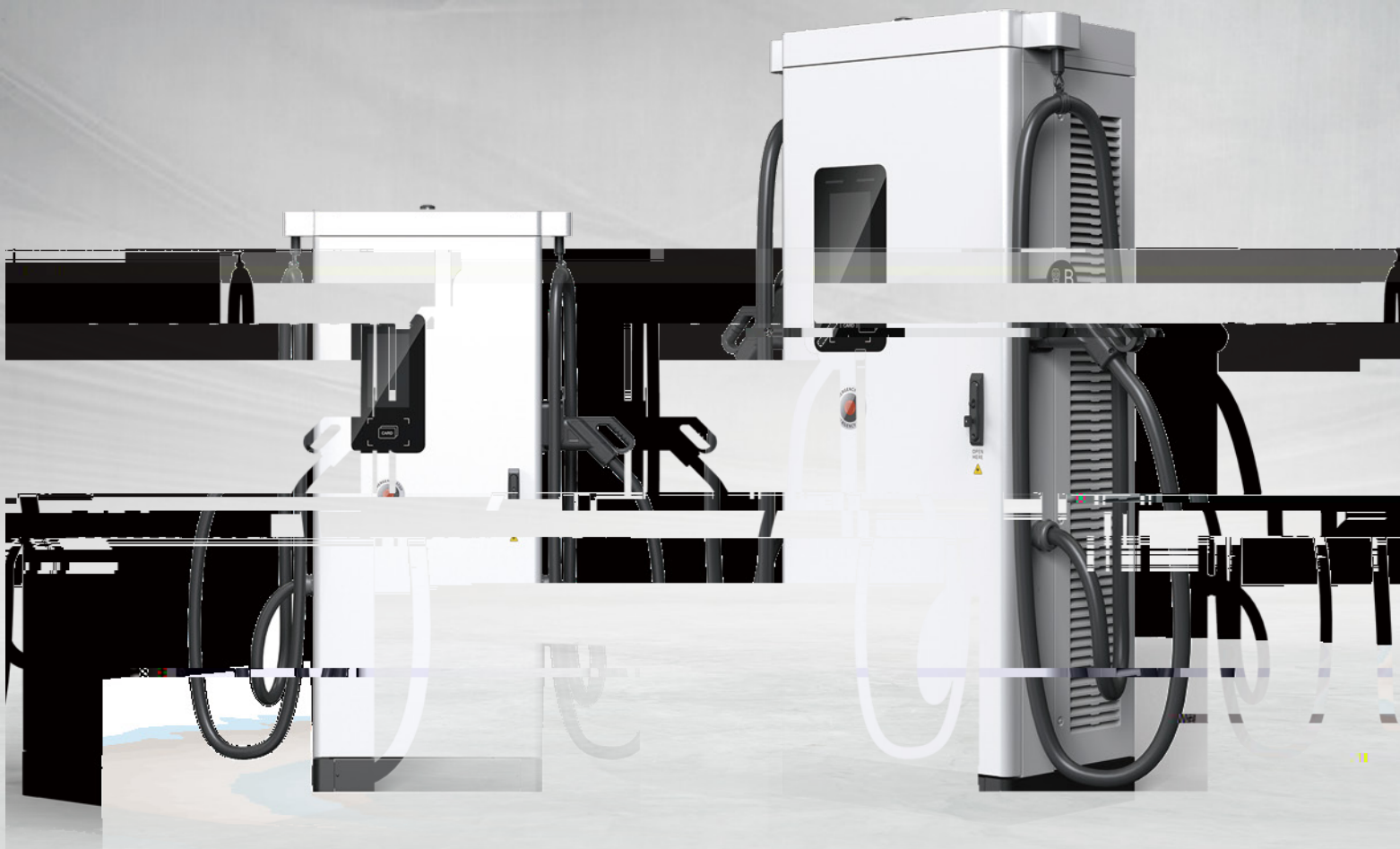
SFC 60



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	
DC Output	
Output Power	60 kW
Output Voltage Range	200 to 1000 VDC
Stabilized Voltage Precision	≤ ± 0.5%
Stabilized Current Precision	≤ ± 1%
	≥ 94%
Noise	<
Working Environment Conditions	
Operating Temperature	
Storage Temperature	
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)	
Installation	Floor installation
IP Grade	IP54
Cable Length	5 m
	UL, CE

Super Fast Charging Stations

SFC 60 to 180



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

supports remote OTA online upgrade



Flexible expansion

smoothly upgraded to 180 kW

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	
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%
	≥ 94%
Noise	≤
Working Environment Conditions	
Operating Temperature	
Storage Temperature	
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)	
Installation	Floor installation
IP Grade	IP54
Cable Length	5 m
Human-machine Display	10.1inch color touch screen
	UL, CE

Super Fast Charging Stations

SFC 150



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
environment



Flexible efficient
needs either can be 1to 3 guns

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	

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%
	≥ 94%
Noise	≤

Working Environment Conditions

Operating Temperature	
Storage Temperature	
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 or three connector

Appearance

Dimensions (W x H x D)	
Installation	Floor installation
IP Grade	IP54
Cable Length	5 m
Human-machine Display	10.1inch color touch screen
	UL, CE



CE



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	
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%
	≥ 94%
Noise	≤
Working Environment Conditions	
Operating Temperature	
Storage Temperature	
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
	UL, CE

Split Type Super Fast Charging Stations





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



Intelligent operation & maintenance
remote OTA online upgrade



Flexible allocation
terminal based on the number of charging
vehicles



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

AC Input				
Input Voltage Range	380 ± 15% VAC			
Rated Input Voltage	380 / 400 VAC			
Rated Frequency	50 Hz			
Power Factor	≥ 0.99			
Input System				
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
	A maximum of 12 ports (10 fast Charging Interfaces and 2 super Charging Interfaces)			
	≥ 94%			
Noise	≤			
Working Environment Conditions				
Operating Temperature				
Storage Temperature				
Relative Humidity	5 to 95%			
Altitude	≤ 2000 m (Derating is required if the power exceeds 2000 m)			
Cooling Mode				
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 1super charging terminal			
Appearance				
Installation	Floor installation			
IP Grade	IP55			
Cable Length	5 / 3.5 m optional			
Maintainability	Support remote online upgrade			
	UL, CE			

20 kW Charging Module



Wide constant power range
wide constant power
charging experience



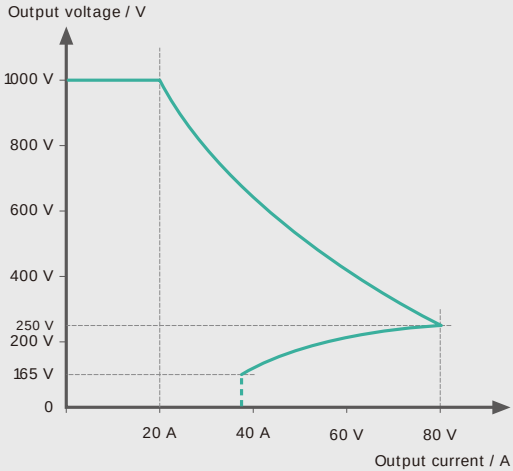
State grid unified size
standardized design



Flexible expansion
support multiple machines
parallel use



Intelligent control
fully digital precision
control



AC Input	
Input Voltage Range	Three-phase and four-line 323 to 456 VAC (full load)
Maximum Input Current	< 38 A
Frequency Range	50 / 60 Hz ± 5%
Power Factor	> 0.98 @ half load
Harmonic Current	< 5% @ half load-full load @ 380 VAC
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	
Storage Temperature	
Relative Humidity	5 to 95% no condensation
Cooling Mode	Intelligent air cooling
Altitude	Installation height ≤ 2000 m, for every 100 m of altitude increase,
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



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



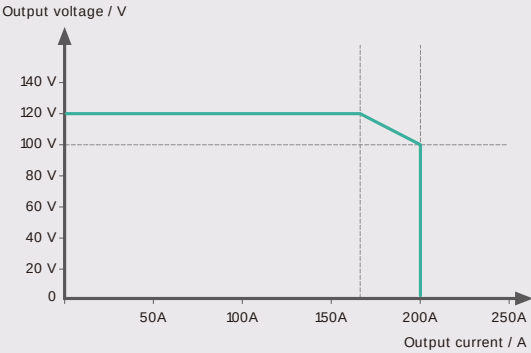
High power density
reducing system costs



Flexible expansion
support parallel use of multiple machines



Intelligent control
fully digital precision control



AC Input	
Input Voltage Range	280 to 485 VAC (operating voltage range)
Maximum Input Current	< 38 A
Frequency Range	50 / 60 Hz ± 5%
Power Factor	> 0.98 @ half load
Harmonic Current	< 5% @ half load-full load @ 380 VAC
	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	
Storage Temperature	
Relative Humidity	5 to 95% no condensation
Cooling Mode	Intelligent air cooling
Altitude	Installation height ≤ 2000 m, for every 100 m of altitude increase,
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



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



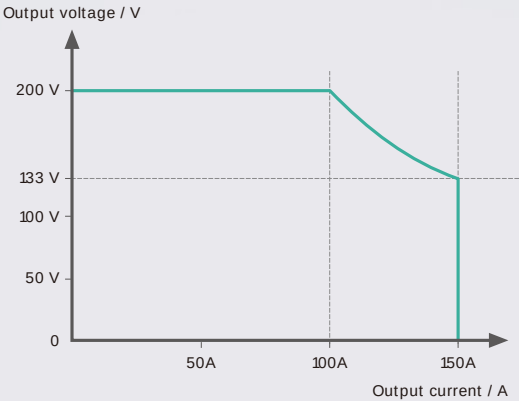
High power density
reducing system costs



Flexible expansion
support parallel use of multiple machines



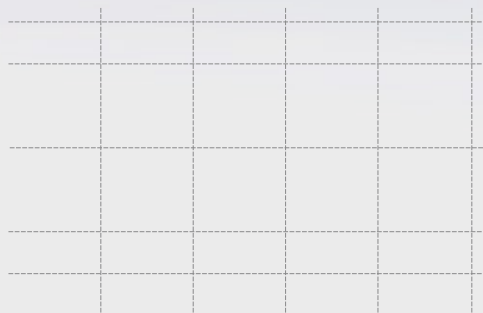
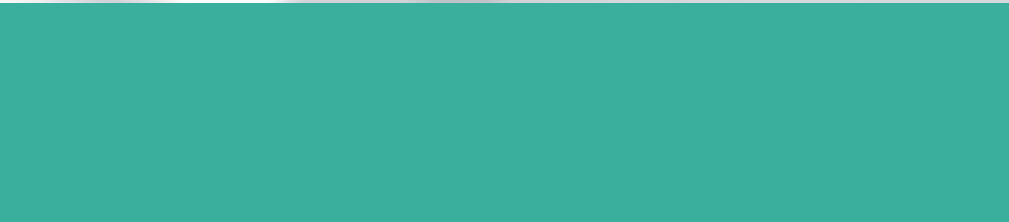
Intelligent control
fully digital precision control



AC Input	
Input Voltage Range	280 to 485 VAC (operating voltage range)
Maximum Input Current	< 38 A
Frequency Range	50 / 60 Hz ± 5%
Power Factor	> 0.98 @ half load
Harmonic Current	< 5% @ half load-full load @ 380 VAC
	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	
Storage Temperature	
Relative Humidity	5 to 95% no condensation
Cooling Mode	Intelligent air cooling
Altitude	Installation height ≤ 2000 m, for every 100 m of altitude increase,
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

A black, rectangular industrial charging module is shown from a front-three-quarter perspective. It features three large, circular cooling fans with black grilles. On the left side of the front panel, there is a small digital display showing '1000' in red, with two buttons below it. The device is mounted on a silver-colored metal frame. The background is a blurred image of a modern building with a glass facade and structural beams.



60 kW Charging Module



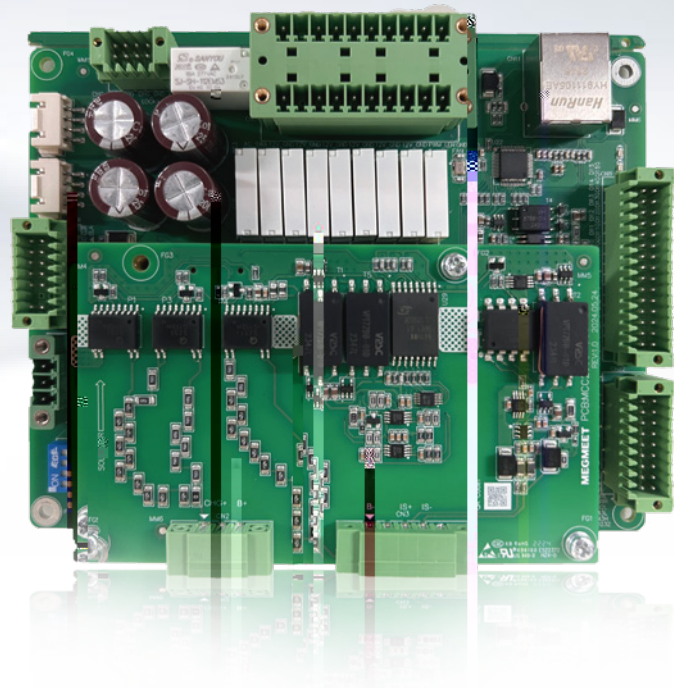
AC Input	
Input Voltage Range	Three-phase three-wire / Four lines 323 to 480 VAC (Full load voltage) 260 to 480 VAC (Operating voltage)
Maximum Input Current	< 115 A
Frequency Range	50 / 60 Hz ± 5 Hz
Power Factor	> 0.99 @ 50% to 100% load
Harmonic Current	< 5% @ 50% to 100% load @ 380 VAC
	≥
DC Output	
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	
Storage Temperature	
Relative Humidity	5 to 95% no condensation
Cooling Mode	Intelligent air cooling
Altitude	Operating altitude range ≤ > 2000 m, Every 100 m Temperature
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 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)	
Weight	14 kg

25 kW Charging Module



DC Input	
Input Voltage Range	550 to 830 VDC (operating voltage range)
Maximum Input Current	< 41 A 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	
Monitor	
Working Environment Conditions	
Product Reliability and Safety	
Alarm and Protection	
Dimensions and Weight	

Charger Communication Control Unit (CCU)



Rich and diverse communication interfaces

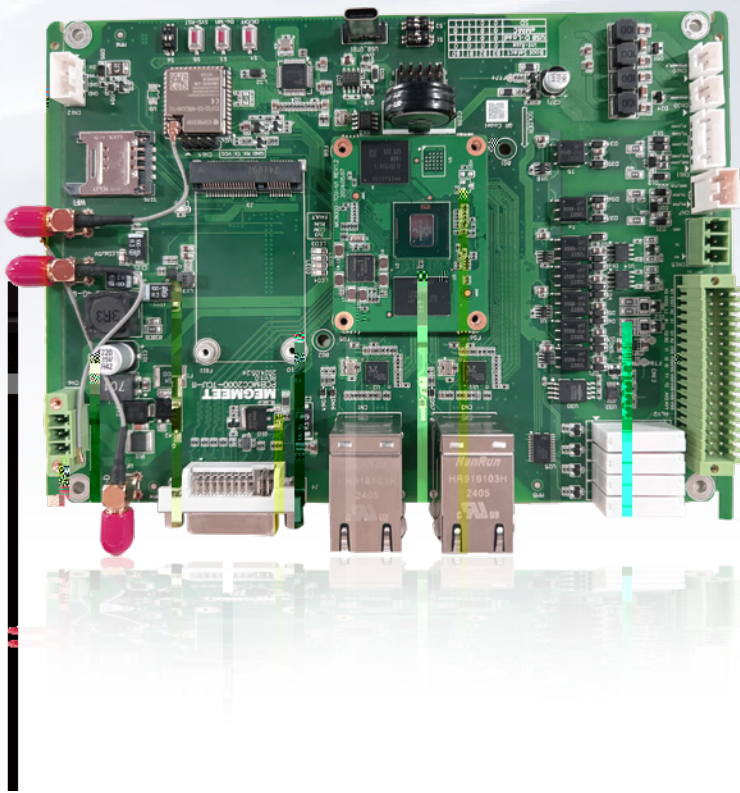


Integrated insulation detection circuit



Low temperature

Charger Telematics Control Unit (TCU)



Support multiple mode of payments: POS, M1card, QR code



Support 4G and WIFI



Low temperature

Input voltage:

—

Interface parameters:

—

—

—

—

Input voltage:

—

Storage chip:

—

—

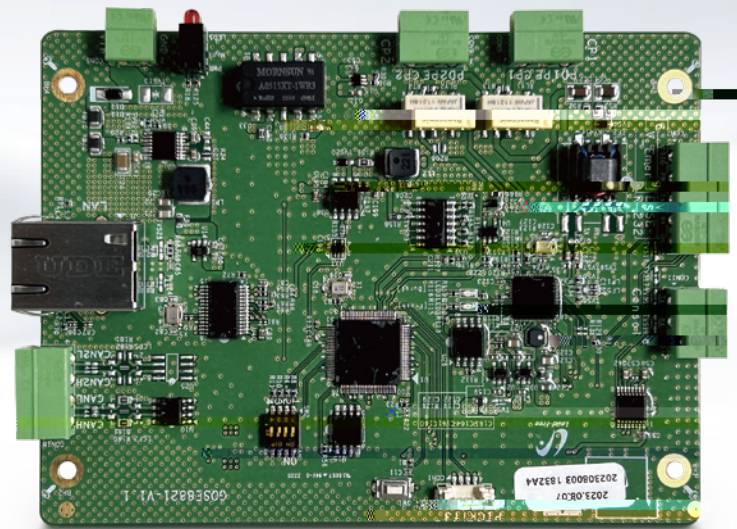
Interface parameters:

—

—

—

Charger Protocol Converter (PLC)



- Support CCS, CHAdEMO (optional) protocols
 - 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

Charging standards: —

Electricity supply: —

Working power consumption: — <

Communication port: —

Dimension: —

Range of working temperature: —

R&D CAPABILITY

R&D Employees



Percentage of Total Employees



Percentage of Total Sales



No. of Patents & IP Rights

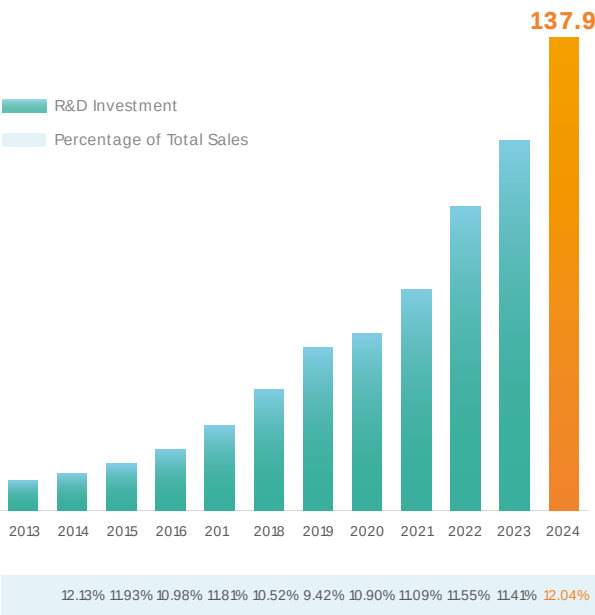
new in 2024

National & International Standards

lead author

Industry Standards Drafted

lead author





ODM

2EAM

