

Charging Station Solutions

Engineered to Empower™ Smarter, Faster, and More Reliable EV Solutions

MEGMEET delivers innovative, efficient, and reliable EV charging solutions designed to accelerate the transition to sustainable mobility.

From smart AC and DC charging technologies to scalable energy solutions, we enable the next generation of electric transportation.





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About Us

MEGMEET is a \$1.3B global power and energy company specializing in high-efficiency power solutions for datacenters, e-Mobility, 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 AI, Industrial, and e-Mobility Markets.



\$1.3B USD

Revenue 2025



28%

Revenue CAGR
2015–2025



10

R&D Centers



8

Manufacturing
Centers



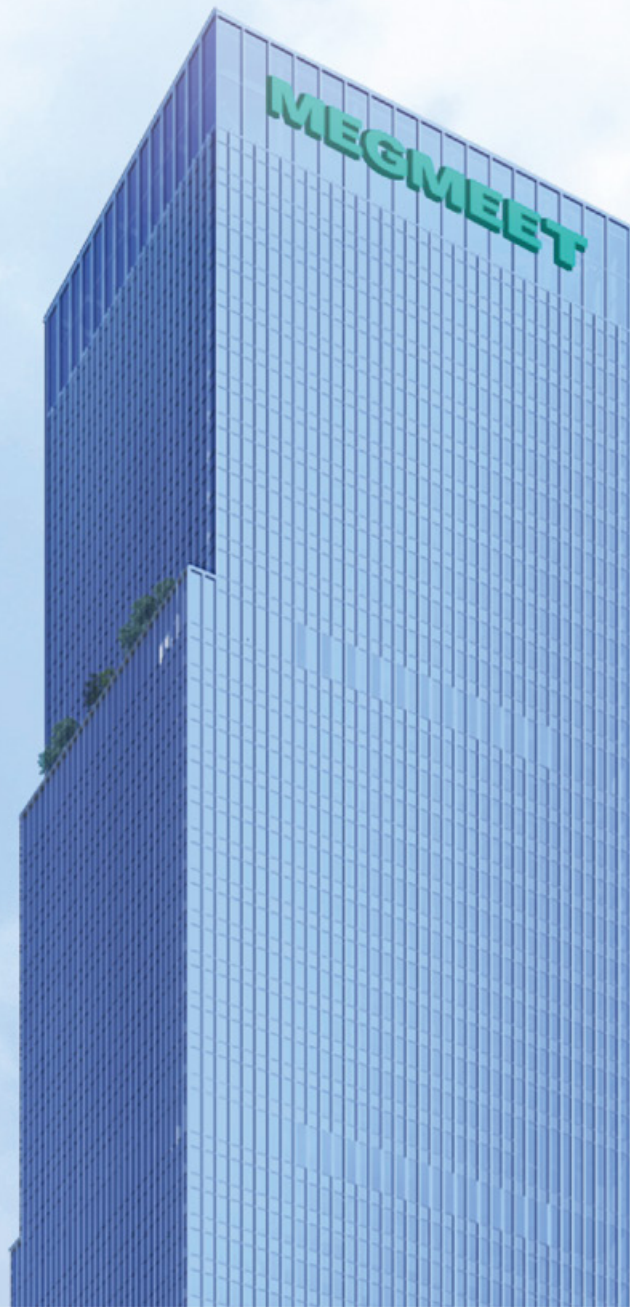
34%

R&D Staff



10K+

Total Employees



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

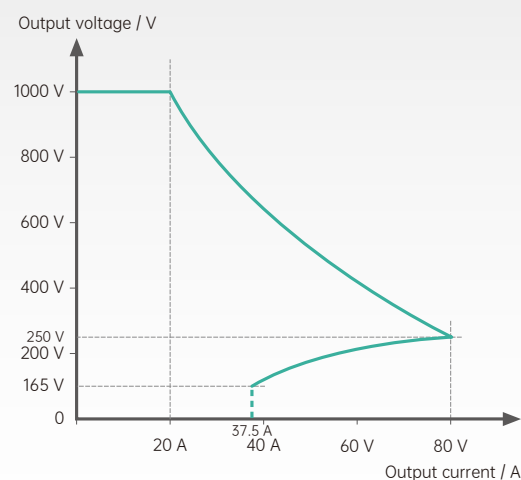
support multiple machines parallel use



Intelligent control

fully digital precision control

Output Characteristic Curve



Parameter	20 kW Charging Module (MIPC1000-80T)
AC Input	
Input Voltage Range	Three-phase and four-wire 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

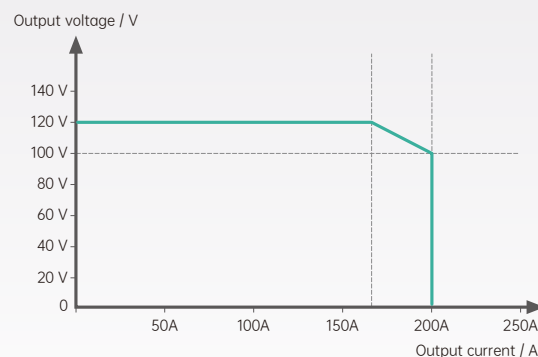
support parallel use of multiple machines



Intelligent control

fully digital precision control

Output Characteristic Curve



Parameter	20 kW Charging Module (MPS10020KT-C)
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 Simultaneous 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



MPC10020KT-C4

Product Advantages



Ultra-Wide Range

Ultra-wide output voltage range provides high-efficiency charging solutions for new energy vehicles worldwide



Global Applicability

The product series is widely deployed across global charging networks



Flexible Scalability

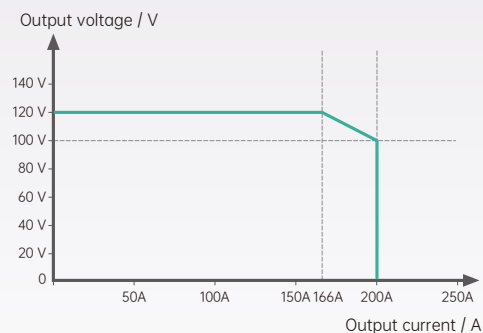
Supports parallel operation of multiple units



Built-in Output Relay

Reduces ancillary costs for charging stations

Output Characteristic Curve



Parameter	20 kW Charging Module (MPC10020KT-C4)
AC Input	
Input Voltage Range	Three-phase four-wire 323 to 528 VAC (full load) 187 to 528 VAC (operating voltage range)
Maximum Input Current	< 40 A
Frequency Range	50 / 60 Hz $\pm$ 5 Hz
Power Factor	$\geq$ 0.99 @ 50% to 100% load
Harmonic Current	$\leq$ 3% @ 50% to 100% load @ 380 VAC
Efficiency	$\geq$ 94.8 %
DC Output	
Output Power	20 kW
Output Voltage Range	20 to 120 V
Constant Power Output Voltage Range	100 to 120 V
Output Current	$\leq$ 200 A
Current Sharing Imbalance	$\leq$ $\pm$ 5%
Voltage Ripple	$\leq$ $\pm$ 0.5%
Current Ripple	$\leq$ $\pm$ 1% (60 to 120 V output) $\leq$ $\pm$ 600 mV (60 to 120 V input)
Output Voltage Setting Error	$\leq$ $\pm$ 0.5%
Monitor	
Communication	CAN 2.0 B, 125 / 250 / 500 kbps
Maximum Number of Simultaneous Machines	60
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 +70 °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
EMC / EMI	/
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 3.6 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 × 404 (mm) (without handle)
Weight	9.0 kg
Independent Auxiliary Output	
Rated Voltage/Current	12 V / 5 A
Voltage Regulation Accuracy	$\leq$ $\pm$ 1%
Voltage Ripple and Noise	$\pm$ 1% (Peak-Peak)

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

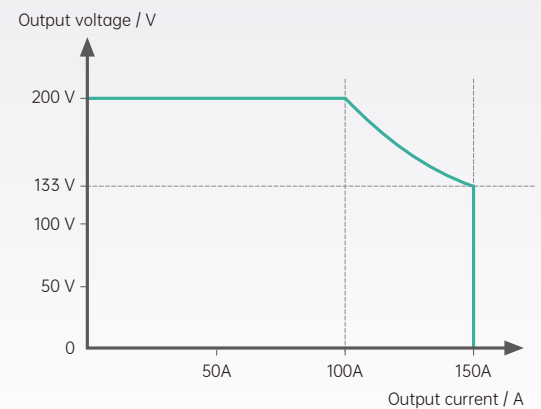
support parallel use of multiple machines



Intelligent control

fully digital precision control

Output Characteristic Curve



Parameter	20 kW Charging Module (MPS20020KT-C)
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 Simultaneous 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

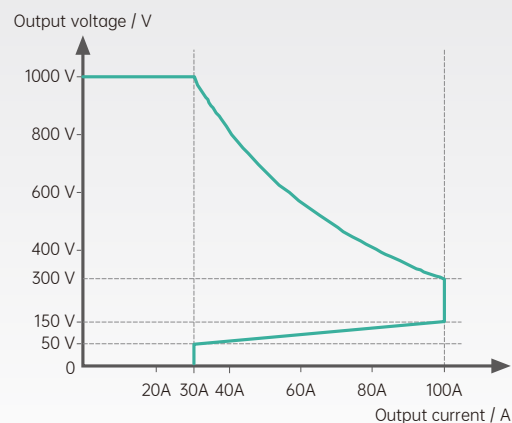
support multiple machines parallel use



Intelligent control

fully digital precision control

Output Characteristic Curve



Parameter	30 kW Charging Module (MIPC 1000-100 Series)
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

30 kW Charging Module



MIPC1000-100C2

Product Advantages



Ultra-wide range

Ultra-wide output voltage range provides high-efficiency charging solutions for new energy vehicles worldwide



Global applicability

The product series is widely deployed across global charging networks



Flexible Scalability

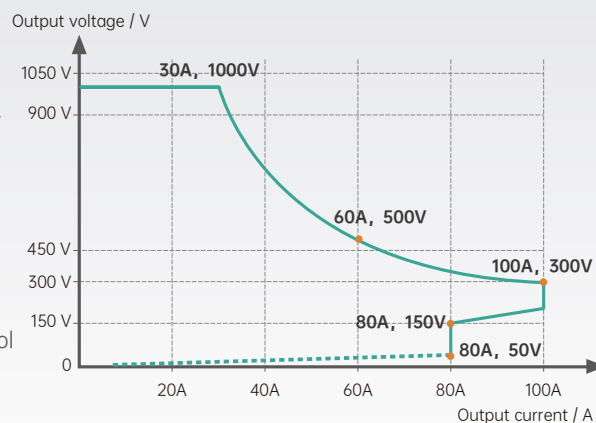
Supports parallel operation of multiple units



Intelligent control

Fully Digital Precision Control
Zero Standby Power Consumption

Output Characteristic Curve



Parameter	30 kW Charging Module (MIPC1000-100C2)
AC Input	
Input Voltage Range	3-phase 3-wire / 4-wire 323 to 456 VAC (full-load voltage) 280 to 480 VAC (operating voltage)
Max. Input Current	< 50 A
Frequency Range	50 / 60 Hz $\pm$ 5 Hz
Power Factor	> 0.99 @ 50% to 100% load
Harmonic Current	$\leq$ 3% @ 50% to 100% load @ 380 VAC
Peak Efficiency	$\geq$ 96.2%
DC Output	
Output Power	30 kW
Output Voltage Range	50 to 1000 V
Full-load Output Voltage Range	300 to 1000 V
Output Current	$\leq$ 100 A
Current Sharing Imbalance	$\leq$ $\pm$ 5%
Voltage Ripple	$\leq$ $\pm$ 0.5%
Current Ripple	$\leq$ $\pm$ 1% (20% to 100% load)
Output Voltage Setting Error	$\leq$ $\pm$ 0.5%
Monitor	
Communication Interface	CAN 2.0 B, 125 kbps
Max. Parallel Units	127
Working Condition Indicator	Green light - normal Yellow light - alarm Red light - fault
Working Environment Conditions	
Operating Temperature Range	-40 °C to +75 °C
Storage Temperature Range	-40 °C to +75 °C
Humidity Range	5% to 95% no condensation
Cooling Method	Intelligent air cooling
Altitude	Operating Altitude Range $\leq$ 4000 m; > 2000 m Temperature derating point decreases by +1 °C for every 100 m increase in altitude.
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)	218 × 84 × 459 mm (without handle)
Weight	11.5 kg

40 kW Charging Module



MIPC1000-135C1

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

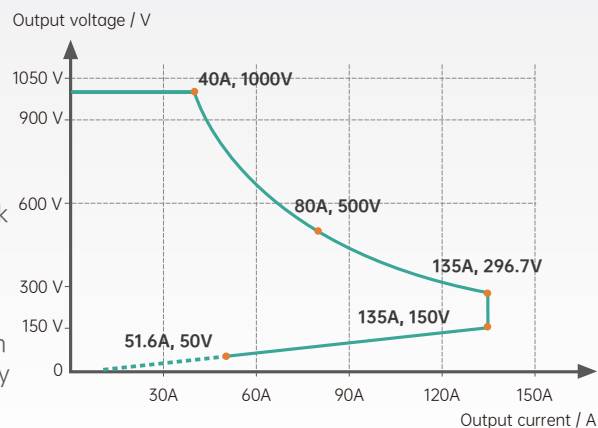
Supports parallel use of multiple machines



Intelligent control

Fully digital precision control, zero standby power consumption

Maximum Load Curve



Parameter	40 kW Charging Module (MIPC1000-135C1)
AC Input	
Input Voltage Range	3-phase 3-wire / 4-wire 323 to 456 VAC (full-load voltage) 280 to 480 VAC (operating voltage)
Maximum Input Current	< 75 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	≥ 96.5%
DC Output	
Output Power	40 kW
Output Voltage Range	50 to 1000 V
Constant Power Output Voltage Range	296.3 to 1000 V
Output Current	≤ 135 A
Equal Current Unbalance	≤ ±5%
Voltage Ripple	≤ ±0.5%
Current Ripple	≤ ±1% (20% to 100% load)
Output Voltage Setting Error	≤ ±0.5%
Monitor	
Communication Interface	CAN 2.0 B, 125 / 250 / 500 kbps
Maximum Number of Simultaneous Machines	60
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)	360 × 84 × 437.5 (mm) (handle excluded)
Weight	15.2 kg

40 kW Charging Module



MIPC1000-135G3

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

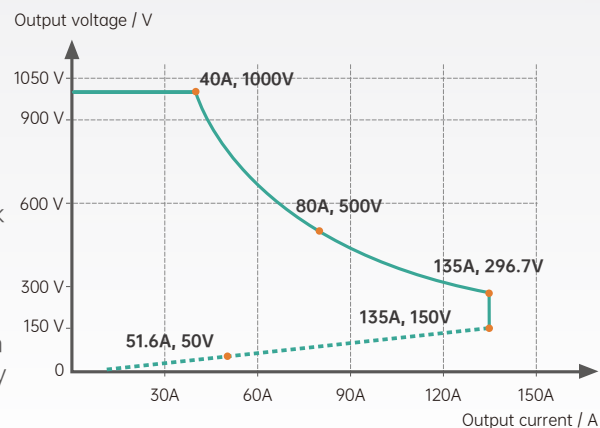
Supports parallel use of multiple machines



Intelligent control

Fully digital precision control, zero standby power consumption

Maximum Load Curve



Parameter	40 kW Charging Module (MIPC1000-135G3)
AC Input	
Input Voltage Range	3-phase 3-wire / 4-wire 323 to 530 VAC (full-load voltage) 260 to 530 VAC (operating voltage)
Maximum Input Current	< 75 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	≥ 96.5%
DC Output	
Output Power	40 kW
Output Voltage Range	50 to 1000 V
Constant Power Output Voltage Range	296.3 to 1000 V
Output Current	≤ 135 A
Equal Current Unbalance	≤ ±5%
Voltage Ripple	≤ ±0.5%
Current Ripple	≤ ±1% (20% to 100% load)
Output Voltage Setting Error	≤ ±0.5%
Monitor	
Communication Interface	CAN 2.0 B, 125 / 250 / 500 kbps
Maximum Number of Simultaneous Machines	127
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
EMC/EMI	Class A
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)	360 × 84 × 437.5 (mm) (handle excluded)
Weight	15.4 kg

40 kW DCDC Charging Module



MIPC1000-135DC

Product Advantages



Low Noise
Noise $\leq$ 65 dB

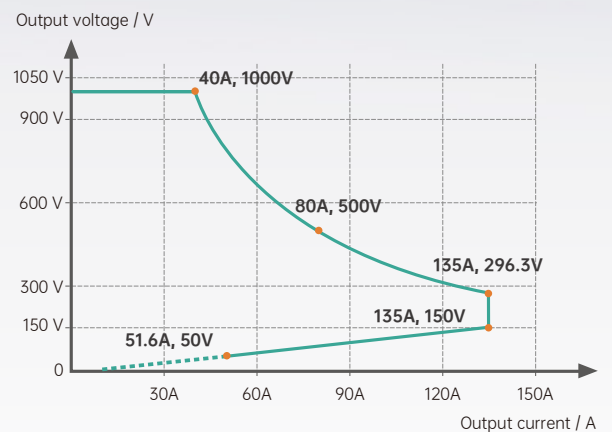


High Reliability
Utilizes potting and filling process



Certification
CE & UL

Maximum Load Curve



Parameter	40 kW DCDC Charging Module (MIPC1000-135DC)
DC Input	
Input Voltage Range	400 to 950 VDC (full-load voltage) 250 to 950 VDC (voltage range)
Maximum Input Current	< 106 A
Efficiency	Up to 97% 750 V input, 1000 V output, full load up to 96.9%
DC Output	
Output Power	40 kW
Output Voltage Range	50 to 1000 V
Constant Power Output Voltage Range	296.3 to 1000 V
Output Current	≤ 135 A
Parallel Current Sharing Imbalance	≤ ±5%
Output Voltage Accuracy	≤ ±0.5%
Output Current Accuracy	≤ ±1% (20% to 100% input range)
Output Voltage Setting Error	≤ ±0.5%
Monitor	
Communication	CAN 2.0 B, 125 kbps
Maximum Number of Simultaneous Machines	32
Working Condition Indicator	Green light - normal Yellow light - alarm Red light - fault
Working Environment Conditions	
Operating Temperature	-40 °C to +70 °C
Storage Temperature	-40 °C to +75°C
Relative Humidity	5% to 95% no condensation
Cooling Mode	Fan 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) (handle excluded)
Weight	13.5 kg

40 kW Bidirectional Single-Stage Charging Module



MIPC Kara Sea

Product Advantages



Low Noise
Noise $\leq$ 65 dB



High Reliability
Utilizes potting and filling process



Certification
CE & UL

Parameter	40 kW Bidirectional Single-Stage Charging Module (MIPC Kara Sea)
DC Input	
Input Voltage Range	Discharge mode: system battery terminal voltage range: 672 to 876 VDC Charge mode: input / output terminal voltage range: 790 to 810 VDC
Maximum Input Current	Discharge mode: < 65 A Charge mode: < 25 A
Efficiency	Discharge mode: peak efficiency: 98.8%
DC Output	
Output Power	Discharge mode: 40 kW Charge mode: 20 kW
Output Voltage Range	Discharge mode: 810 V Charge mode: 672 to 876 VDC (dependent on system battery voltage)
Output Current	Discharge mode: ≤ 50 A Charge mode: ≤ 30 A
Parallel Current Sharing Imbalance	≤ ±5% (50% to 100% load)
Output Voltage Accuracy	≤ ±0.5%
Output Current Accuracy	≤ ±0.5 A (5% to 15% load) ≤ ±3% (15% to 50% load) ≤ ±2% (50% to 100% load)
Monitor	
Communication Interface	CAN 2.0 B, 125 kbps
Maximum Number of Simultaneous Machines	32
Working Condition Indicator	"System operation" indicator: green "Fault / alarm" indicator: red
Working Environment Conditions	
Operating Temperature	0 °C to +40 °C
Storage Temperature	-25 °C to +55°C
Relative Humidity	5% to 95% no condensation
Cooling Mode	Air cooling
Altitude	≤ 1500 m
Product Reliability and Safety	
MTBF	> 1,000,000 hours
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 × 100 × 437.5 (mm)
Weight	16 kg

66.7 kW Charging Module



MIPC1000-111

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

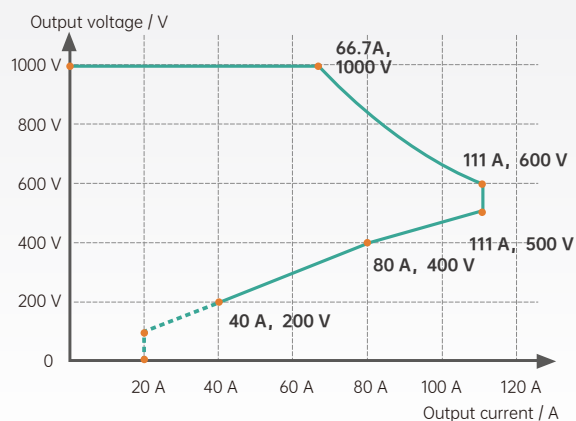
Supports parallel use of multiple machines



Intelligent control

Fully digital precision control, zero standby power consumption

Maximum Load Curve



Parameter	66.7 kW Charging Module (MIPC1000-111)
AC Input	
Input Voltage Range	Three-phase three-wire / four lines 360 to 456 VAC (full load voltage) 260 to 480 VAC (operating voltage)
Maximum Input Current	< 114 A
Frequency Range	50 Hz ±5 Hz
Power Factor	> 0.99 @ 50% to 100% load
Harmonic Current	< 5% @ 50% to 100% load @ 400 VAC
Efficiency	≥ 97%
DC Output	
Output Power	66.7 kW
Output Voltage Range	200 to 1000 V
Constant Power Output Voltage Range	600 to 1000 V
Output Current	≤ 111 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 kbps
Maximum Number of Simultaneous Machines	127
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
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 × 84 × 437.5 mm (handle excluded)
Weight	16 kg

25 kW Charging Module



MIPC1000-100GD

Product Advantages



Ultra-wide range

Ultra-wide output voltage range



Intelligent control

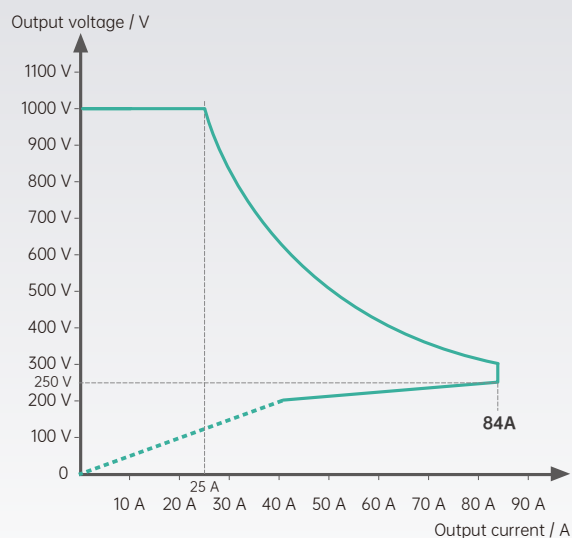
Fully digital precision control



Flexible expansion

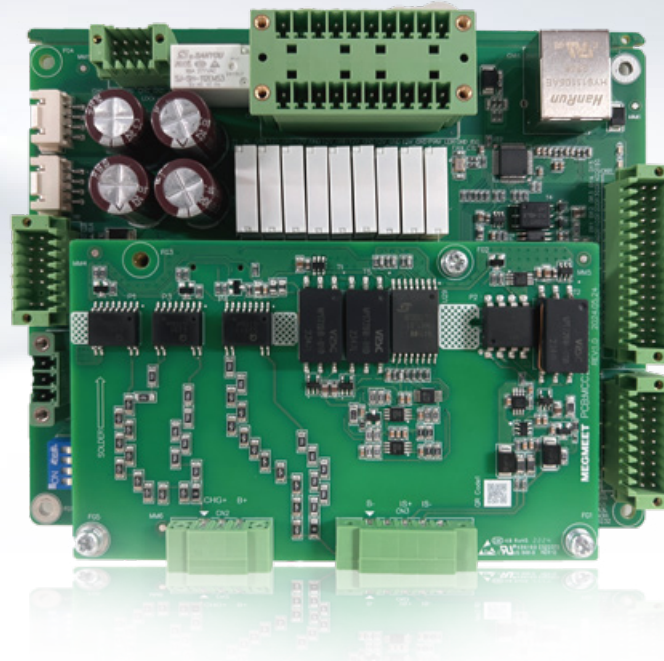
Support multiple machines in parallel

Output Characteristic Curve



Parameter	25 kW Charging Module (MIPC1000-100GD)
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

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

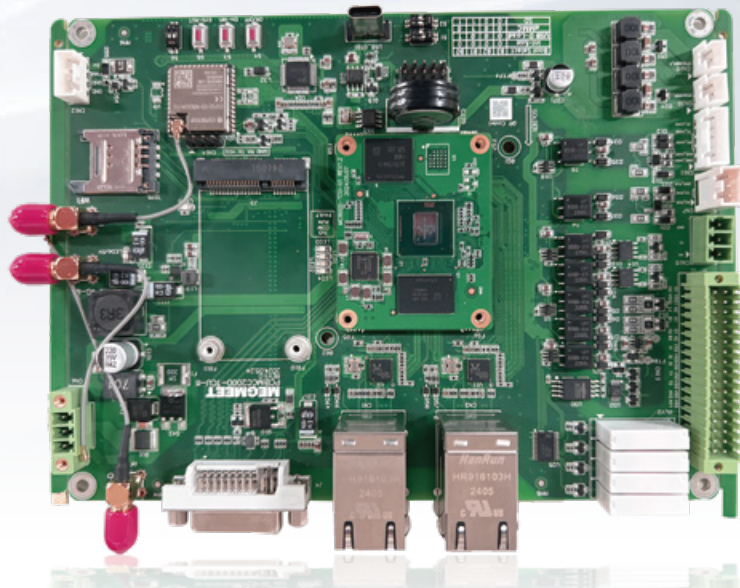


Low temperature
-30 °C normal work

Specifications

Input voltage:	— DC 12 V			
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

Telematics Control Unit (TCU)



Applications

TCU 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

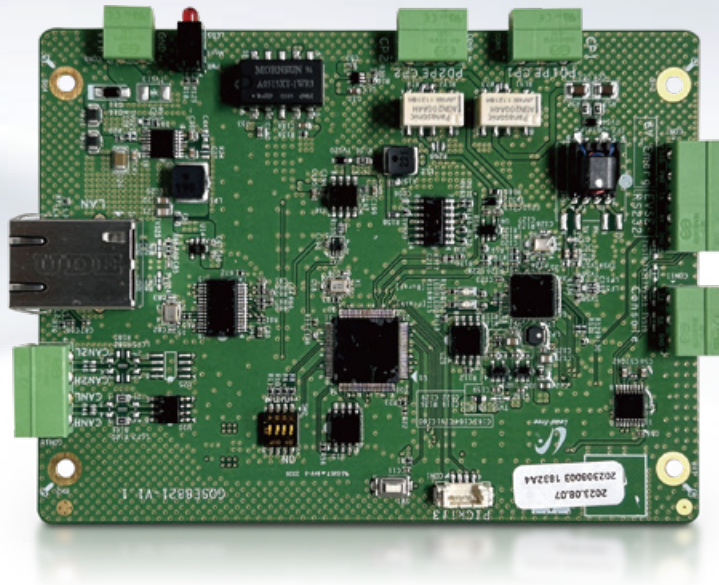


Low temperature
-30 °C normal work

Specifications

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

Protocol Converter



Applications

Protocol Converter supports Power Line Communication(PLC) in full compliance with 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)

Electricity supply: — Typical supply voltage:
12 / 24 VDC
— Input voltage range:
9 to 26 VDC

Working power consumption: — < 2 W for CCS, Max. 40 W
for CHAdeMO

Communication port: — CAN, RS232

Dimension: — 119 x 229 (mm)

Range of working temperature: — -40 °C to +85 °C

Global Infrastructure

MEGMEET's global footprint includes advanced R&D centers, integrated manufacturing, and regional offices enabling fast response, localized support, and efficient deployment worldwide.

MEGMEET's international engineering network supports close customer collaboration, rapid validation, and region-specific adaptation to deliver reliable, high-performance solutions globally.



Power Solutions

- ☐ Telecom Power ☐ Medical Power ☐ Smart Display Power ☐ LED Display Power ☐ Industrial enclosed Power
- ☐ Laser Power ☐ OA Power ☐ Utility Power ☐ Datacenter and Networking Power Solutions
- ☒ BESS & EV Charging Solutions ☐ Bi-directional Inverters for Portable Power ☐ Portable Solar Generator

Industrial Automation

- ☐ Servo System ☐ Control System ☐ Elevator Controller ☐ Linear Motor ☐ IoT Solutions ☐ Encoder
- ☐ Variable Frequency Drive ☐ Internal Gear Pump

e-Mobility & EV Infrastructure

- ☐ Integrated Charging System (OBC & DC-DC) ☐ Power Electronic Unit (2-in-1, 3-in-1)
- ☐ E-Compressor ☐ TV EDU ☐ Inverter ☐ Construction Vehicle Controller
- ☐ Intelligent Active Hydraulic Suspension (i-AHS) ☐ Railway A/C Controller ☐ Railway VFD
- ☐ Thermal Mgmt. System ☐ Micro-Mobility Motor, Inverter, and Charging System ☐ Oxygen Generator

Intelligent Equipment

- ☐ Intelligent Welding ☐ Electric Submersible Progressing Cavity Pump ☐ Medium-Voltage Soft Open Point (SOP)
- ☐ Industrial Microwave ☐ Polysilicon Water Quenching Equipment ☐ Ultraviolet Curing Equipment
- ☐ Automated Car Washing Machine ☐ Booster Manipulator ☐ High-Precision Positioning Stage

Smart Building

- ☐ 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
- ☐ Fan Heater Controller ☐ Oxygen Concentrator

Precision Connection

- ☐ Micro Motor ☐ Water Pump Motor ☐ Inductor ☐ Transformer ☐ FFC ☐ FPC
- ☐ Coaxial Cable ☐ CCS ☐ Litz Wire

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