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A LEADER BRAND OF EV CHARGING SOLUTION



EV Portable AC Charger (Type 2)

Portable AC Charger is a compact, lightweight, and versatile charging solution designed for (EV) owners who need a convenient and reliable way to charge their vehicles at home, work, or on the go. This charger provides a practical charging option for everyday use, making it an essential accessory for EV drivers.



Key Features

- Optional power: 3.5KW-22KW.
- Adjustable Charging Current: 8A/13A/16A/32A/40A
- LED Displays: Charging status and alerts.
- Convenient and Flexible: Lightweight designed, easy to carry.
- Plug and Charge: Just plug into AC power outlet and EV inlet.
- Schedule charging during off-peak hours to reduce electricity costs.

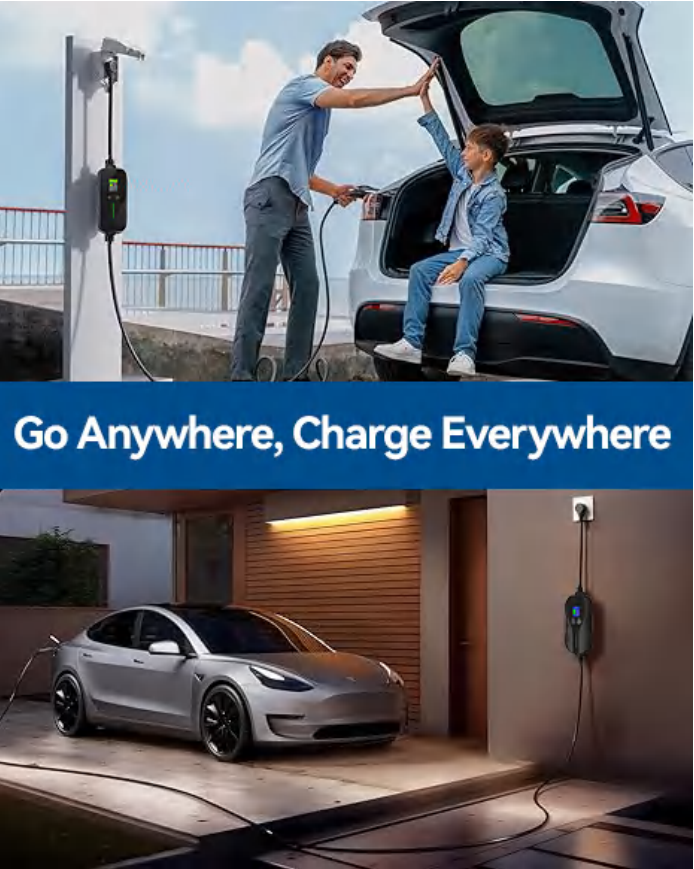


Technical Specification

Model	3.5KW/7KW/9.6KW/11KW/22KW
Rated Current	6A / 8A / 10A 6A / 8A / 10A / 13A 6A / 8A / 10A / 13A / 16A 10A / 16A / 20A / 24A / 32A/ 40A
Operation Voltage	AC 110V~250 V
Rate Frequency	50Hz / 60Hz
Leakage Protection	Type A RCD or Type A RCD+DC 6mA (Optional)
Withstand Voltage	2000V
Contact Resistance	0.5mΩ Max
Shell Material	PC Material
Flame Retardant Grade	UL94 V-0
Operating Temperature	-25°C ~ +55°C
Storage Temperature	-40°C ~ +80°C
Waterproof Protection	IP67 (Outdoor or Indoor)
EV Control Box Size	200mm (L) X 93mm (W) X 51.5mm (H)
LCD Display	Temperature, Charging Time, Actual Current Actual Voltage, Actual Charging Power, Delay Time
New Function	Delayed Charging + Current Switching
Standards	IEC 62752, IEC 61851, NB/T 42077-2016
Certification	TUV, CE, UKCA ,FCC ,PSE, UL

Applications

Home Charging/ Workplace Charging
Travel Charging/ Emergency Backup



AC Wall Box Charger (Home & Commercial version)

MIDA wallbox charger is a dedicated charging station for electric vehicles typically installed at homes, workplaces, or public locations. our wall boxes provide slower but more cost-effective charging, making them ideal for over night or long-duration charging.



OVER VOLTAGE PROTECTION
OVER LOAD PROTECTION



SHORT CIRCUIT PROTECTION
EARTH LEAKAGE PROTECTION



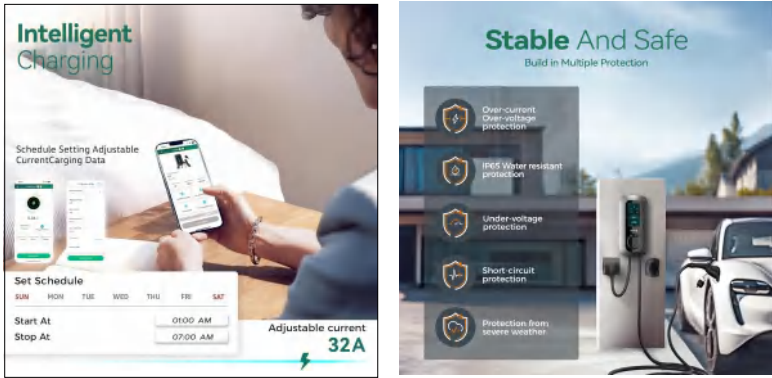
OVER-TEMP PROTECTION
SURGE PROTECTION



UNDER VOLTAGE PROTECTION
OVER CURRENT PROTECTION

Key Features

- Optional power: 3.5KW-22KW.
- Two models designed: Socket & Charging connector version.
- Smart Connectivity & Displays: WiFi, Bluetooth, 4G, and app integration.
- OCPP1.6/2.0J Compliant, LED and 7 inch touching displays.
- RFID & App Control: Access with RFID authentication or smartphone app for user management and payment.
- Efficient & Cost-Saving: Schedule charging during off-peak hours to reduce electricity costs.



Technical Specification

Product Model	3.5KW/7KW/9.6KW/11KW/22KW
Rated Current	16A /32A/40A/48A
Operation Voltage	AC 110-440 V±10%
Rate Frequency	50Hz -60Hz
Working altitude	< 2000m
Shell Material	PC+ Fireproof and Flame Retardant
Operating Temperature	-20°C ~ +50°C
Storage Temperature	-40°C ~ +70°C
Waterproof Protection	IP65 (Outdoor or Indoor)
Size	221.8mm (L) X 103.9mm (W) X 405mm (H)
Charging Standards	TYPE1 /TYPE2/ GB/T /NACS
Standby power consumption	< 5W
LCD Display	Temperature, Charging Time, Actual Current Voltage, Charging Power
Standards	IEC 61851-1; IEC 62196-2, GB/T18487, GB/T20234, UL2231-2
Certification	CE

Applications

Home Charging/ Workplace Charging
Parking Lot Charging



AC Wall Box Charger (Home & Commercial version)

MIDA wallbox charger is a dedicated charging station for electric vehicles typically installed at homes, workplaces, or public locations. our wall boxes provide slower but more cost-effective charging, making them ideal for over night or long-duration charging.



Model: MIDA-WM-22KW Model: MIDA-WM-44KW Model: MIDA-WM-88KW



OVER VOLTAGE PROTECTION
OVER LOAD PROTECTION



SHORT CIRCUIT PROTECTION
EARTH LEAKAGE PROTECTION



OVER-TEMP PROTECTION
SURGE PROTECTION



UNDER VOLTAGE PROTECTION
OVER CURRENT PROTECTION

Key Features

- Optional power: 22KW, 44KW, 88KW,
- High power designed: 2 / 4 Charging connectors version.
- Smart Connectivity & Displays: WiFi, Bluetooth, 4G, and app integration.
- OCPP1.6/2.0J Compliant, LED and 7 inch touching displays.
- RFID & App Control: Access with RFID authentication or smartphone app for user management and payment.
- Efficient & Cost-Saving: Schedule charging during off-peak hours to reduce electricity costs.



Technical Specification

Power	22KW /44KW / 88KW,
Rated Current	16A /32A
Operation Voltage	AC 110-440 V±10%
Rate Frequency	50Hz -60Hz
Working altitude	< 2000m
Shell Material	PC+ Fireproof and Flame Retardant
Operating Temperature	-20°C ~ +50°C
Storage Temperature	-40°C ~ +70°C
Waterproof Protection	IP54 (Outdoor or Indoor)
Size	450*140*650 mm
Charging Standards	TYPE1 /TYPE2/ GB/T /NACS
Standby power consumption	< 5W
LCD Display	Temperature, Charging Time, Actual Current Voltage, Charging Power
Standards	IEC 61851-1; IEC 62196-2, GB/T18487, GB/T20234, UL2231-2
Certification	CE

Applications

Home Charging/ Workplace Charging
Parking Lot Charging



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AC Wall Box Charger (Home & Commercial version)

MIDA wallbox charger is a dedicated charging station for electric vehicles typically installed at homes, workplaces, or public locations. our wall boxes provide slower but more cost-effective charging, making them ideal for over night or long-duration charging.



Model: MIDA-FL-22KW

Model: MIDA-FL-44KW



OVER VOLTAGE PROTECTION
OVER LOAD PROTECTION

SHORT CIRCUIT PROTECTION
EARTH LEAKAGE PROTECTION

OVER-TEMP PROTECTION
SURGE PROTECTION

UNDER VOLTAGE PROTECTION
OVER CURRENT PROTECTION

Key Features

- Optional power: 22KW, 44KW
- High power designed: 2 Charging connectors or sockets version.
- Smart Connectivity & Displays: WiFi, Bluetooth, 4G, and app integration.
- OCPP1.6/2.0J Compliant, 4.3 inch LCD displays.
- RFID & App Control: Access with RFID authentication or smartphone app for user management and payment.
- Efficient & Cost-Saving: Schedule charging during off-peak hours to reduce electricity costs.



Technical Specification

Power	22KW / 44KW
Rated Current	16A /32A
Operation Voltage	AC 380-450 V±10%
Rate Frequency	50Hz -60Hz
Working altitude	< 2000m
Shell Material	PC+ Fireproof and Flame Retardant
Operating Temperature	-20°C ~ +50°C
Storage Temperature	-40°C ~ +70°C
Waterproof Protection	IP54 (Outdoor or Indoor)
Size	1200*250*250 mm
Charging Standards	TYPE1 /TYPE2/ GB/T /NACS
Standby power consumption	< 5W
LCD Display	Temperature, Charging Time, Actual Current Voltage, Charging Power
Standards	IEC 61851-1; IEC 62196-2, GB/T18487, GB/T20234, UL2231-2
Certification	CE UKCE

Applications

Home Charging/ Workplace Charging
Parking Lot Charging



EV Mobile Charger (Home using version)

Mobile EV Charger is a compact, transportable charging unit. It is designed for flexibility, emergency use,and temporary deployment, making it ideal for roadside assistance, remote locations, events, fleet operations.



OVER VOLTAGE PROTECTION
OVER LOAD PROTECTION

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SHORT CIRCUIT PROTECTION
EARTH LEAKAGE PROTECTION

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OVER-TEMP PROTECTION
SURGE PROTECTION

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UNDER VOLTAGE PROTECTION
OVER CURRENT PROTECTION

Key Features

- Optional power: 20KW to 40KW
- Universal Compatibility: Supports CCS1, CCS2, CHAdeMO, GB/T, NACS.
- Portable Design: Wheeled or compact case design , easy to transport.
- Plug and Charge: Connects to three-phase AC (380V) and EV inlet.
- RFID & App Control: Access with RFID authentication or smart-phone app for user management.
- Efficient & Cost-Savin: Schedule charging during off-peak hours to reduce electricity costs



Technical Specification

Product Model	MD-EU-20KW/ MD-EU-30KW
Power	20KW/30KW/40KW
Operation Voltage	AC 400 V±10%
Rate Frequency	45Hz -65Hz
Working altitude	< 2000m
Cooling method	Air cooling
Operating Temperature	-25°C ~ +50°C
Storage Temperature	-40°C ~ +80°C
Waterproof Protection	IP32/54 (Outdoor or Indoor)
Charging Standards	CCS1 /CCS2 / GB/T /CHAdeMO/ NACS
Connectivity	WIFI, Bluetooth, RFID
LCD Display	Charging Time, Actual Current, Voltage, Charging Power
Safe Standards	IEC 61851; IEC 62196-3, GB/T20234.3 ISO15118
Certification	CE, FCC

Applications

Home Charging/ Workplace Charging
Parking Lot Charging



EV Mobile Charger (Commercial using version)

Mobile EV Charger is a compact, transportable charging unit. It is designed for flexibility, emergency use,and temporary deployment, making it ideal for roadside assistance, remote locations, events, fleet operations.



Model: MIDA-PT-40KW MIDA-PT-60KW MIDA-PT-80KW



OVER VOLTAGE PROTECTION
OVER LOAD PROTECTION

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SHORT CIRCUIT PROTECTION
EARTH LEAKAGE PROTECTION

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OVER-TEMP PROTECTION
SURGE PROTECTION

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UNDER VOLTAGE PROTECTION
OVER CURRENT PROTECTION

Key Features

- Optional power : 40KW to 80KW
- Universal Compatibility: Supports CCS1, CCS2, CHAdeMO, GB/T, NACS.
- Portable Design: Wheeled or compact case design , easy to transport.
- Plug and Charge: Connects to three-phase AC (380V) and EV inlet.
- RFID & App Control: Access with RFID authentication or smart-phone app for user management V2G discharge.
- Efficient & Cost-Savin: Schedule charging during off-peak hours to reduce electricity costs



Technical Specification

Product Model	MIDA-PT-40KW, MIDA-PT-60KW, MIDA-PT-80KW
Power	40KW/60KW/80KW
Operation Voltage	AC 380 V±15%
Rate Frequency	45Hz -65Hz
Working altitude	< 2000m
Cooling method	Air cooling
Operating Temperature	-25°C ~ +50°C
Storage Temperature	-40°C ~ +80°C
Waterproof Protection	IP54 (Outdoor or Indoor)
Charging Standards	CCS1 /CCS2 / GB/T /CHAdeMO/ NACS
Connectivity	WIFI, Bluetooth, RFID
LCD Display	Charging Time, Actual Current, Voltage, Charging Power
Safe Standards	IEC 61851; IEC 62196-3, GB/T20234.3 ISO15118
Certification	CE, FCC

Applications

Home Charging/ Workplace Charging
Parking Lot Charging



● EV DC WallBox (Commercial & Home version)

MIDA wallbox charger is a dedicated charging station for electric vehicles typically installed at homes, workplaces, or public locations. our wall charger provide fast and more cost-effective charging, making them ideal for over night or long-duration charging.



Model: MIDA-WM-30KW/40KW/50KW



● Key Features

- Optional power: 20KW to 50KW
- Universal Compatibility: Supports CCS1,CCS2, CHAdeMO, GB/T , NACS.
- Portable & Design: Wheeled or compact design for easy transport.
- Connectivity: WIFI, Bluetooth, 4G, Ethernet.
- Advanced protocol & Management: OCPP1.6/2.0J compliant for remote monitoring and management.
- Touch screen user interaction interface: RFID, App pay-ment available, V2G discharge.

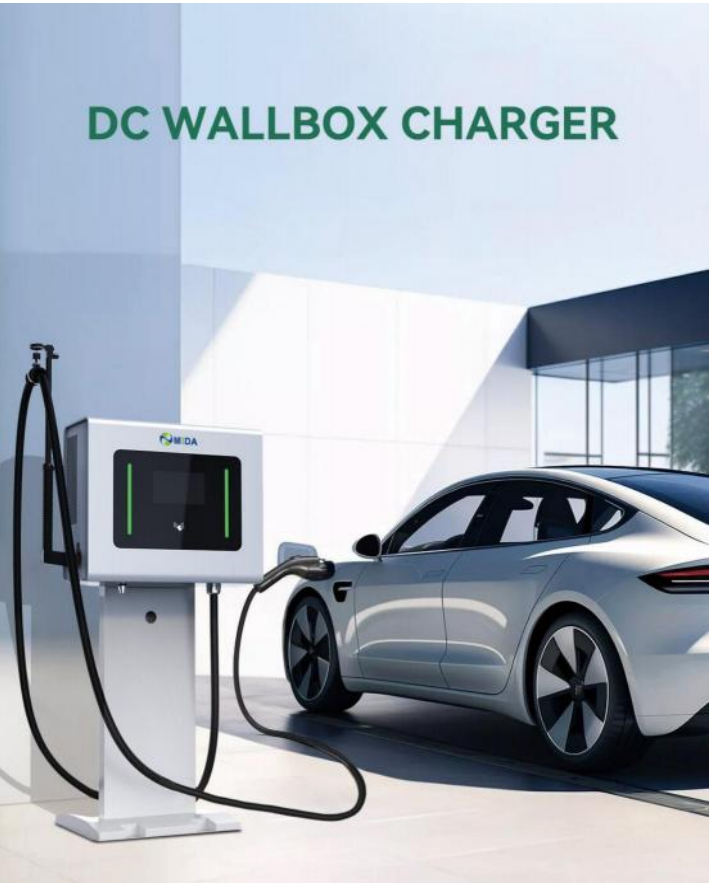


● Technical Specification

Product Model	MIDA-WM-20KW/30KW/40KW/50KW
Power	20KW/30KW/40KW/50KW
Operation Voltage	AC 380 V±10%
Rate Frequency	45Hz - 65Hz
Working Altitude	< 2000m
Cooling Method	Air cooling
Operating Temperature	-25°C ~ +60°C
Storage Temperature	-40°C ~ +70°C
Waterproof Protection	IP54 (Outdoor or Indoor)
Charging Standards	CCS /GB/T /CHAdeMO/NACS
Connectivity	WIFI, Bluetooth, 4G, Ethernet
LCD Display	Charging Time, Actual Current, Voltage, Charging Power
Standards	IEC 61851-1 2019; IEC 61851-23 2014, GB/T18487 GB/T20234, UL2231-2
Certification	CE

● Applications

Workplace Charging/ Parking lot
Charging station / Shopping malls



EV Wall-mounted DC Charger (Commercial version)

MIDA Wall-mounted charger is a dedicated charging station for electric vehicles typically installed at homes, workplaces, or public locations. Our wall charger provide fast and more cost-effective charging, making them ideal for over night or long-duration charging.



Model: MIDA-WM-40KW/60KW/80KW



Key Features

- Optional power: 40KW to 80KW
- Universal Compatibility: Supports CCS1, CCS2, CHAdeMO, GB/T, NACS.
- Portable & Design: Wheeled or compact design for easy transport
- Connectivity: WIFI, Bluetooth, 4G, Ethernet.
- Advanced protocol & Management: OCPP1.6/2.0J compliant for remote monitoring and management.
- Touch screen user interaction interface: RFID, App payment available, V2G discharge.



Technical Specification

Product Model	MIDA-WM-40KW/60KW/80KW
Power	40KW/60KW/80KW
Operation Voltage	AC 380 V±10%
Rate Frequency	45Hz - 65Hz
Working Altitude	< 2000m
Cooling Method	Air cooling
Operating Temperature	-25°C ~ +60°C
Storage Temperature	-40°C ~ +70°C
Waterproof Protection	IP54 (Outdoor or Indoor)
Charging Standards	CCS /GB/T /CHAdeMO/NACS
Connectivity	WIFI, Bluetooth, 4G, Ethernet
LCD Display	Charging Time, Actual Current, Voltage, Charging Power
Standards	IEC 61851-1 2019; IEC 61851-23 2014, GB/T18487 GB/T20234, UL2231-2
Certification	CE

Applications

Workplace Charging/ Parking lot
Charging station / Shopping malls



Integrated DC Charger

MIDA DC EV Charger is a high-power charging station designed for commercial and public use. These chargers are typically used in fast-charging stations, highway rest areas, fleet depots, and public charging hubs, gas station, parking lots



Key Features

- Optional power: 60KW~480KW.
- Integrated Design: all-in-one unit with built-in power modules, cooling, and payment systems.
- Multi-Charging Ports: CCS2+GB/T, CCS2+CCS2,CCS1+NACS, or any kinds of connectors can be combined.
- Advanced protocol & Management: OCPP1.6/2.0J compliant for remote monitoring and management, V2G discharge.
- Touch screen user interaction interface: RFID, App, Credit card, payment available.



Technical Specification

Specification	Model				
	MD-EU-60KW	MD-EU-120KW	MD-EU-180KW	MD-EU-240KW	MD-EU-480KW
Rated Power	60KW 120KW 150KW 180KW 240KW 320KW 480KW				
Input Voltage	380/400VAC 3P+N+PE				
Input Frequency	50/60Hz				
Input Amps	96A	192A	288A	390A	750A
Standy-by Consumption	≤0.1% Rated output power				
Output Voltage	150-1000V DC				
Output Current	0-250A				
Charging Connectors	CCS2/ CCS1/ GB/T CHAdeMO 5M (Customized available)				
Voltage Accuracy	<±0.5%				
Current Accuracy	<±1%				
Efficiency	≥ 95.2% (Full load)				
THD	≤5%@50% ~ 100 % full load				
Screen	Touch display 10.1 inch				
Protection Degree	IP54				
Working Environment Temperature	{-25 °C to +50 °C}				
Cooling	forced air cooling				
Relative Humidity	5%-95% non-condensing				
Altitude	2,000 m				
Noise Emission	<65dB				
Communication Protocol	OCPP 1.6/2.0J				
Connectivity Authorization	RFID Card, Plug and Charge, App, Credit Card				
Network Interface	Ethernet, WLAN, 4G				
Standards	EN ICE 61851-1 2019, EN61851-23 2014 EN61851-24 2014				

Applications

Fast-charging stations, Highway rest areas, Fleet depots, and Public charging hubs, Gas station, Parking lots, Shopping malls.



Integrated DC Advertising Charger

MIDA DC Ads Charger is designed for commercial and public use. These chargers are typically used in fast-charging stations, highway rest areas, public charging hubs, gas stations, and parking lots to sell ad space to brands, local businesses, or agencies. bring more profits to the project.



OVER VOLTAGE PROTECTION
OVER LOAD PROTECTION



SHORT CIRCUIT PROTECTION
EARTH LEAKAGE PROTECTION



OVER-TEMP PROTECTION
SURGE PROTECTION



UNDER VOLTAGE PROTECTION
OVER CURRENT PROTECTION

Key Features

- Optional power: 120KW~240KW.
- Integrated Design: all-in-one unit with built-in power modules , cooling, and payment systems.
- Multi-Charging Ports: CCS2+GB/T,CHAdeMO+NACS, or any kinds of connectors can be combined.
- Advanced Connectivity & Management: OCPP 1.6/2.0J compliant for remote monitoring and management.
- Touch screen user interaction interface: RFID, App, Credit card, payment available.



Technical Specification

Specification	Model			
	MD-AD-60KW	MD-AD-120KW	MD-AD-180KW	MD-AD-240KW
Rated Power	60kW, 80kW, 90kW, 120kW, 150kW, 180kW, 240kW			
Input Voltage	380/400VAC 3P+N+PE			
Input frequency	50/60Hz			
Input Amps	91A	182A	273A	365A
Standy-by consumption	≤0.1% Rated output power			
Output Voltage	150-1000V DC			
Output Current	0-250A			
Charging connectors	CCS2/ CCS1/ GB/T/ CHAdeMO/ NACS 5M (Customized available)			
Voltage Accuracy	<±0.5%			
Current accuracy	<±1%			
Efficiency	≥ 95.2% (Full load)			
THD	≤5%@50% ~ 100 % full load			
Screen	Touch display 7 inch, 55 inch advertising display			
Protection degree	IP54			
Working Environment temperature	{-25 °C to +50 °C}			
Cooling	forced air cooling			
Relative humidity	5%-95% non-condensing			
Altitude	2,000 m			
Noise emission	<65dB			
Communication Protocol	OCPP 1.6/2.0J			
Connectivity Authorization	RFID Card ,Plug and Charge,App, Credit Card			
Network Interface	Ethernet ,WLAN,4G			
Standards	EN ICE 61851-1 2019,EN61851-23 2014 EN61851-24 2014			

Applications

Fast-charging stations, Highway rest areas, Fleet depots, and Public charging hubs, Gas station, Parking lots



Integrated DC Charger (4 Charging Connector)

MIDA DC EV Charger is a high-power charging station designed for commercial and public use. These chargers are typically used in fast-charging stations, highway rest areas, fleet depots, public charging hubs, gas stations, parking lots.



Key Features

- Optional power: 120KW~480KW.
- Integrated Design: all-in-one unit with built-in power modules, cooling, and payment systems.
- Four Charging Ports: CCS2+GB/T+CHAdeMO+NACS, or any kinds of connectors can be combined.
- Advanced Connectivity & Management: OCPP 1.6/2.0J compliant for remote monitoring and management.
- Touch screen user interaction interface: RFID, App, Credit card, payment available, V2G discharge.



Technical Specification

Specification	Model			
	MD-WYS-120KW	MD-WYS-180KW	MD-WYS-240KW	MD-WYS-480KW
Rated Power	120KW, 150KW, 160KW, 180KW, 240KW, 480KW			
Input Voltage	380/400VAC 3P+N+PE			
Input frequency	50/60Hz			
Input Amps	192A	260A	288A	390A
Standby-by consumption	≤0.1% Rated output power			
Output Voltage	150-1000V DC			
Output Current	0-250A			
Charging connectors	CCS2/ CCS1/ GB/T/ CHAdeMO/ NACS 5M (Customized available)			
Voltage Accuracy	<±0.5%			
Current accuracy	<±1%			
Efficiency	≥ 95.2% (Full load)			
THD	≤5%@50% ~ 100 % full load			
Screen	Touch display 12.1 inch			
Protection degree	IP54			
Working Environment temperature	{-25 °C to +50 °C}			
Cooling	forced air cooling			
Relative humidity	5%-95% non-condensing			
Altitude	2,000 m			
Noise emission	<65dB			
Communication Protocol	OCPP 1.6J			
Connectivity Authorization	RFID Card ,Plug and Charge,App			
Network Interface	Ethernet ,WLAN,4G			
Standards	EN ICE 61851-1 2019,EN61851-23 2014 EN61851-24 2014			

Applications

Fast-charging stations, Highway rest areas, Fleet depots, and Public charging hubs, Gas station, Parking lots



Split DC Charger with Terminals

MIDA Split DC Charger provides flexible and efficient charging services for multiple charging terminals through intelligent distribution of electric energy. Compared with integrated chargers, Split charger has significant advantages in power utilization, scalability, operation and maintenance costs, etc., and are particularly suitable for large-flow, high-power charging scenarios.

320KW/400KW/480KW/600KW



OVER VOLTAGE PROTECTION
OVER LOAD PROTECTION



SHORT CIRCUIT PROTECTION
EARTH LEAKAGE PROTECTION



OVER-TEMP PROTECTION
SURGE PROTECTION



UNDER VOLTAGE PROTECTION
OVER CURRENT PROTECTION

Key Features

- Dynamic Power Allocation: A shared power pool can be dynamically allocated to different charging guns.
- Supports power expansion: extend power from 320KW to 600KW, 6 terminals connector to 12 connectors.
- Multiple Charging Ports (Optional): GB/T, CCS1, CHAdeMO, CCS2, NACS, any kinds of connectors can be combined.
- Advanced Connectivity & Management: OCPP 1.6/2.0J compliant for remote monitoring management.
- Touch screen user interaction interface: RFID, APP, and Credit card payment available



Technical Specification

Model	MD-SP-320KW	MD-SP-360KW	MD-SP-400KW	MD-SP-480KW	MD-SP-600KW
AC Input	400VAC±15%/480VAC(3P+N+PE)				
Output Voltage	DC 150V~1000V				
Rate Frequency	50Hz / 60Hz				
Connectors	CCS1/CCS2/GB/T/CHAdeMO/NACS				
Power Electronics Cooling	Liquid cooled/air cooled				
Charging Protocol Standards	IEC-61851, ISO-15118, DIN 70121, GB/T 20234.2				
Connectivity Authorization	RFID Card, App, Credit card, Plug and Charge				
Network Interface	Ethernet, WLAN, 4G				
Communication protocol	OCPP 1.6/2.0J				
Ingress Protection	IP55				
User Interface	7-inch LCD Screen				
Operating Temperature	-25°C ~ +55°C				
Storage Temperature	-40°C ~ +60°C				
Altitude	< 2000m				
Size(mm)	Cabinet 1600*850*2000/ Terminals 450*450*1800mm				

Applications

Fast-charging stations, Highway rest areas, Fleet depots, and Public charging hubs, Gas station, Parking lots



Split DC Charger with Terminals

MIDA Split DC Charger provides flexible and efficient charging services for multiple charging terminals through intelligent distribution of electric energy. Compared with integrated chargers, Split charger has significant advantages in power utilization, scalability, operation and maintenance costs, etc., and are particularly suitable for large-flow, high-power charging scenarios.

720KW/800KW/1000KW/1200KW/1440KW/1680KW



OVER VOLTAGE PROTECTION
OVER LOAD PROTECTION



SHORT CIRCUIT PROTECTION
EARTH LEAKAGE PROTECTION



OVER-TEMP PROTECTION
SURGE PROTECTION



UNDER VOLTAGE PROTECTION
OVER CURRENT PROTECTION

Key Features

- Dynamic Power Allocation: A shared power pool can be dynamically allocated to different charging guns.
- Supports power expansion: extend power from 720KW to 1680KW, 6 terminals connector to 12 connectors.
- Multiple Charging Ports (Optional): GB/T, CCS1, CHAdeMO, CCS2, NACS, any kinds of connectors can be combined.
- Advanced Connectivity & Management: OCPP 1.6/2.0J compliant for remote monitoring management.
- Touch screen user interaction interface: RFID, APP, and Credit card payment available.



Technical Specification

Model	MD-SP-720KW	MD-SP-800KW	MD-SP-1000KW	MD-SP-1440KW	MD-SP-1680KW
AC Input	400VAC±15%/480VAC(3P+N+PE)				
Output Voltage	DC 150V~1000V				
Rate Frequency	50Hz / 60Hz				
Connectors	CCS1/CCS2/GB/T/CHAdeMO/NACS				
Power Electronics Cooling	Liquid cooled/air cooled				
Charging Protocol Standards	IEC-61851, ISO-15118, DIN 70121, GB/T 20234.2				
Connectivity Authorization	RFID Card, App, Credit card, Plug and Charge				
Network Interface	Ethernet, WLAN, 4G				
Communication protocol	OCPP 1.6/2.0J				
Ingress Protection	IP55				
User Interface	7-inch LCD Screen				
Operating Temperature	-25°C ~ +55°C				
Storage Temperature	-40°C ~ +60°C				
Altitude	< 2000m				
Size(mm)	Cabinet 2400*850*2000/ Terminals 450*450*1800				

Applications

Fast-charging stations, Highway rest areas, Fleet depots, and Public charging hubs, Gas station, Parking lots



● Liquid Cooled Supercharging with Terminals

MIDA supercharging system integrates liquid-cooled power modules and cables, ensuring quiet operation and enhanced durability of power cabinets. This advanced thermal management solution enables the system to deliver outputs up to 800A/1000V.

360KW/480KW/600KW/720KW/1200KW/1600KW



● Key Features

- Scalable up to Megawatts: Multiple power cabinets can be bridged and scaled up to megawatt-level systems.
 - Flexible Power Allocation: Each power cabinet can dynamically allocate power in 80kW granularity to any dispenser, supporting up to 10 dispensers.
 - Seamless Integration: Designed to seamlessly integrate with photovoltaic (PV) and energy storage systems (ESS).
 - Multiple Charging Ports (Optional): GB/T, CCS1, CCS2, NACS.
- Advanced Connectivity & Management: OCPP 1.6/2.0J compliant for management. Touch screen interface, RFID, APP, and credit card payment integration.



● Technical Specification

Model	MD-SC-360KW	MD-SC-720KW	MD-SC-1600KW
AC Input	400VAC±15%/480VAC(3P+N+PE)		
Output Voltage	DC 150V~1000V		
Rate Frequency	50Hz / 60Hz		
Connectors	CCS1/CCS2/GB/T/NACS		
Power Electronics Cooling	Liquid cooled		
Charging Protocol Standards	IEC-61851, ISO-15118, DIN 70121, GB/T 20234.3		
Connectivity Authorization	RFID Card, App, Credit card, Plug and Charge		
Network Interface	Ethernet, WLAN, 4G		
Communication Protocol	OCPP 1.6/2.0J		
User Interface	7-inch LCD Screen		
Weight (KG)	≤1500kg		
Ingress Protection	IP54		
Operating Temperature	-25°C ~ +75°C		
Storage Temperature	-40°C ~ +80°C		
Altitude	< 2000m		
Size(mm)	Power Cabinet: 1700*2150*1000 Satellite: 1700*340*295		

● Applications

Fast-charging stations, Highway rest areas, Fleet depots, and Public charging hubs, Gas station, Parking lots



Energy storage -Integrated DC charger

ESC-193 energy storage-integrated charger is a next-generation charging device that combines an Energy Storage System (ESS) with an EV charging station. It not only supplies power to electric vehicles but also optimizes energy utilization through intelligent charge/discharge management.



Key Features

- High Efficiency: Reduce grid load Easy for infrastructure construction Industrial-grade plugand-play.
- Super Economy: Lower electricity capacity expansion costs Less infrastructure costs.Input power 40kW Max. Output power per gun160kW, Flexible equipment relocated.
- Profitability and reliability:Peak-to-valley arbitrage 43 in advertising screen Based on automotive-grade design validation and quality control Long lifespan up to 10 years.
- Convenient and Smart: FOTA (Firmware Over-the-Air) remote upgrade for all ECUs and remote diagnostics,V2G Discharge.



Technical Specification

Overall dimension L*W*H	1.3 x1.1 x2.2m
Battery cell	105 AH
Battery capacity (kWh)	193kwh
Max. Input power (kW)	40kw
V2G/V2L	Optional
Max. output power per gun (kW)	204kw
Voltage platform (V)	160
Max. charging power (kW)	200 ~920
Charging interface	CCS1/ CCS2/ GB/T
Charging gun	250 A X 2
Length of charging gun line(m)	5m
Charging gun cooling	Natural cooling
Power module	Liquid cooling
Advertising screen	43-inch Optional
Charging touch screen	10-inch Android system
Payment system	Scanning code \ Credit card \ RFID Swipe card
Communication protocol	OCPP 1.6J DIN 70121 ISO 15118
Networking form	4G, WIFI,LAN, MQTT
Noise	55db
Design service life	10Years
Certification	CE GB PTB-B

Applications

High-Power Charging Stations, Integrated Solar-Storage Charging Stations, Remote Areas & Highways, Commercial Parks & Residential Communities



Mobile ESS Charger

A Mobile ESS Charger is a portable fast-charging solution that combines battery energy storage with EV charging in one mobile unit. It delivers high-power charging anytime, anywhere — without requiring a strong electrical grid or permanent installation.

15kw~60kw, 32kwh~60kwh



Key Features

- Fast Deployment & High Flexibility : Mobile ESS chargers can be deployed anywhere without construction or grid upgrades.
 - Flexiable: Ideal for temporary charging events, construction sites, remote areas, emergency situations.
 - No Heavy Grid Requirements : A mobile ESS acts as an energy buffer, delivering high power without needing a strong grid.
 - Lower Operating Costs (Peak-Valley Arbitrage): low-cost electricity hours.
- FOTA (Firmware Over-the-Air) remote upgrade for all ECUs and remote diagnostics.

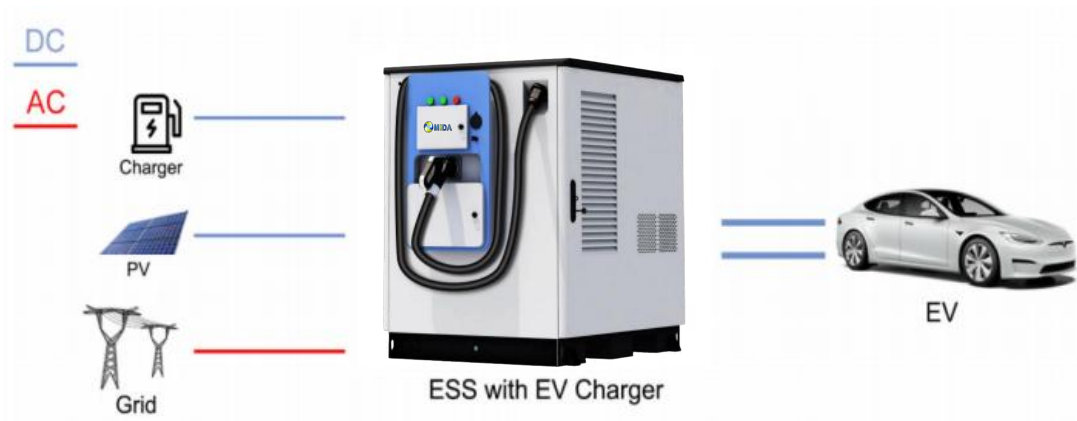


Technical Specification

Power	15KW/25KW/40KW/60KW
Battery Type	LifePO4
Battery capacity (kWh)	32kWh /48kWh /60kWh
Max. Input power (kW)	20/30kw
V2G/V2L	Non-compliance
Max. output power per gun (Amp)	20/25/40/60A
Voltage Range Output (V)	200-1000v
Max. charging power (kW)	60kw
Charging interface	CCS1/ CCS2/ GB/T/Chademo
Charging gun	Single
Length of charging gun line(m)	5~8m
Charging gun cooling	Natural cooling
Power module	Air cooling
screen	7-inch Optional
Charging touch screen	7-inch Android system
Payment system	Scanning code Credit card RFID Swipe card
Communication protocol	OCPP 1.6J DIN 70121 ISO 15118
Networking form	4G, WIFI, LAN, MQTT
Noise	55db
Warranty	2 Years
Certification	CE

Applications

Remote Areas & Highways, Commercial Parks & Residential Communities, Roadside EV Charging
Emergency rescue, Grid Peak-Shaving & Load Management.



Mobile ESS Charger

A Mobile ESS Charger is a portable fast-charging solution that combines battery energy storage with EV charging in one mobile unit. It delivers high-power charging anytime, anywhere — without requiring a strong electrical grid or permanent installation.

80kw~120kw, 138kwh~241kwh



Key Features

- Fast Deployment & High Flexibility : Mobile ESS chargers can be deployed anywhere without construction or grid upgrades.
 - Flexiable: Ideal for temporary charging events, construction sites, remote areas, emergency situations.
 - No Heavy Grid Requirements : A mobile ESS acts as an energy buffer, delivering high power without needing a strong grid.
 - Lower Operating Costs (Peak-Valley Arbitrage): low-cost electricity hours.
- FOTA (Firmware Over-the-Air) remote upgrade for all ECUs and remote diagnostics.



Technical Specification

Power	120KW/138KW/160KW
Battery Type	LifePO4
Battery capacity (kWh)	138KWh /153KWh /209KWh /241KWH
Max. Input power (kW)	120KW
V2G/V2L	Non-compliance
Max. output power per gun (Amp)	120A/160A
Voltage platform (V)	200-1000v
Max. charging power (kW)	160kw
Charging interface	CCS1/ CCS2/ GB/T/Chademo
Charging gun	Dual guns
Length of charging gun line(m)	5~8m
Charging gun cooling	Natural cooling
Power module	Air cooling
screen	7-inch Optional
Charging touch screen	7-inch Android system
Payment system	Scanning code Credit card RFID Swipe card
Communication protocol	OCPP 1.6J DIN 70121 ISO 15118
Networking form	4G, WIFI, LAN, MQTT
Noise	55db
Warranty	2 Years
Certification	CE

Applications

Remote Areas & Highways, Commercial Parks & Residential Communities, Roadside EV Charging
Emergency rescue, Grid Peak-Shaving & Load Management.



Mobile ESS Charger

A Mobile ESS Charger is a portable fast-charging solution that combines battery energy storage with EV charging in one mobile unit. It delivers high-power charging anytime, anywhere — without requiring a strong electrical grid or permanent installation.

160KW~1MW, 313KWh~2MWh



Key Features

- Fast Deployment & High Flexibility : Mobile ESS chargers can be deployed anywhere without construction or grid upgrades.
 - Flexiable: Ideal for temporary charging events, construction sites, remote areas, emergency situations.
 - No Heavy Grid Requirements : A mobile ESS acts as an energy buffer, delivering high power without needing a strong grid.
 - Lower Operating Costs (Peak-Valley Arbitrage): low-cost electricity hours.
- FOTA (Firmware Over-the-Air) remote upgrade for all ECUs and remote diagnostics.

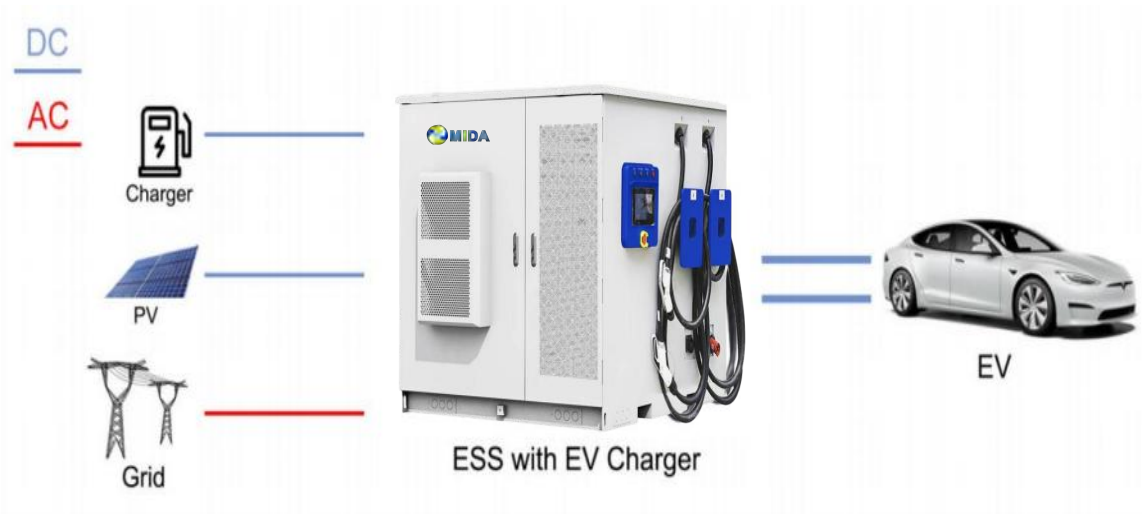


Technical Specification

Power	160KW/240KW/320KW/400KW/480KW/960KW
Battery Type	LifePO4
Battery capacity (kWh)	313/418/482/625KWh,1MWh/2MWh
Max. Input power (kW)	120kw/240kw/320kw/480kw
V2G/V2L	Non-compliance
Max. output power per gun (Amp)	960A
Voltage Range (V)	200-1000v
Max. charging power (kW)	960kw
Charging interface	CCS1/ CCS2/ GB/T/Chademo
Charging gun	Dual guns
Length of charging gun line(m)	5~8m
Charging gun cooling	Natural cooling/Liquid cooling
Power module	Air cooling
screen	7-inch Optional
Charging touch screen	7-inch Android system
Payment system	Scanning code Credit card RFID Swipe card
Communication protocol	OCPP 1.6J DIN 70121 ISO 15118
Networking form	4G, WIFI, LAN, MQTT
Noise	55db
Warranty	2 Years
Certification	CE

Applications

Remote Areas & Highways, Commercial Parks & Residential Communities, Roadside EV Charging
Emergency rescue, Grid Peak-Shaving & Load Management.



Emergency Rescue Charger Station

A Mobile ESS Charger is a portable fast-charging solution that combines battery energy storage with EV charging in one mobile unit. It delivers high-power charging anytime, anywhere — without requiring a strong electrical grid or permanent installation.



Key Features

- Fast Deployment & High Flexibility : Mobile ESS chargers can be deployed anywhere without construction or grid upgrades.
 - Flexiable: Ideal for temporary charging events, construction sites, remote areas, emergency situations.
 - No Heavy Grid Requirements : A mobile ESS acts as an energy buffer, delivering high power without needing a strong grid.
 - Lower Operating Costs (Peak-Valley Arbitrage): low-cost electricity hours.
- FOTA (Firmware Over-the-Air) remote upgrade for all ECUs and remote diagnostics.



Technical Specification

Overall dimension L*W*H	1902*1200*1118 mm
Battery Type	LifePO 4
Battery capacity (kWh)	65kWh /100kWh /141kWh /175kWh /200kWh
Max. Input charging power (kW)	120kw
V2G/V2L	Non-compliance
Max. output power per gun (Amp)	120A
Voltage Range (V)	200-1000v
Max. charging power (kW)	120kw
Charging interface	CCS1/ CCS2/ GB/T/Chademo
Charging gun	Single
Length of charging gun line(m)	5~8m
Charging gun cooling	Natural cooling
Power module	Liquid cooling
screen	7-inch Optional
Charging touch screen	7-inch Android system
Payment system	Scanning code Credit card RFID Swipe card
Communication protocol	OCPP 1.6J DIN 70121 ISO 15118
Networking form	4G, WIFI, LAN, MQTT
Noise	55db
Design service life	5 Years
Certification	CE

Applications

Remote Areas & Highways, Commercial Parks & Residential Communities, Roadside EV Charging
Emergency rescue, Grid Peak-Shaving & Load Management.



ESS Mobile Charger Container

A 1MW Mobile Energy Storage Charging Container is a high-capacity, containerized charging solution that integrates 1 megawatt of power output, large-scale battery energy storage, and DC fast-charging modules into one movable system. It enables rapid EV charging anywhere, without relying on a strong grid.



Key Features

- High Power Output — Up to 1MW : Suitable for heavy-duty trucks, buses, logistics fleets, and fast-charging stations.
- Large Battery Energy Storage (ESS): Lithium-iron-phosphate (LFP) for high safety and long cycle life ,ability to charge from the grid or renewable energy.
- Integrated Fast-Charging Terminals : 4-guns DC fast charging (CCS1, CCS2, CHAdeMO, GB/T) 120kw per gun, 480kw max.
- Strong Grid or Off-Grid Operation: Works in weak-grid environments using battery output ,can operate completely off-grid in remote areas ,charge the ESS during low-price hours discharge during peak demand.

4G Connectivity

7-Inch Color Touch Screen

RFID Access Control

Management Platform

IP55 Protection

Full Protection

OCPP 1.6/2.0J Compliance

App Control

Technical Specification

Overall dimension L*W*H	6000*2430*2590 mm
Battery cell	314 AH
Battery capacity (kWh)	800kwh/1044kwh/1500kwh/2000kwh
Max. Input power (kW)	240kw
V2G/V2L	Non-compliance
Max. output power per gun (Amp)	250 A
Voltage platform (V)	200-1000v
Max. charging power (kW)	480 kw
Charging interface	CCS1/ CCS2/ GB/T/Chademo
Charging gun	Dual guns
Length of charging gun line(m)	5~8m
Charging gun cooling	Natural cooling/Liquid cooling
Power module	Liquid cooling
screen	7-inch Optional
Charging touch screen	7-inch Android system
Payment system	Scanning code
	Credit card
	RFID Swipe card
Communication protocol	OCPP 1.6J
	DIN 70121 ISO 15118
Networking form	4G, WIFI,LAN, MQTT
Noise	55db
Design service life	5 Years
Certification	CE

Applications

Remote Areas & Highways, Commercial Parks & Residential Communities, Roadside EV Charging
Emergency rescue, Grid Peak-Shaving & Load Management.



Mobile EV Charging Robot

The MDESC-165 Pro charging robot is a next-generation integrated energy storage and charging system from Mida Power, offering flexible deployment, high-efficiency charging, and intelligent management.



Key Features

- Flexible Mobility: Equipped with navigation systems (e.g., LiDAR, visual recognition, GPS), it can autonomously navigate to parked vehicles.
- Automatic Charging: Uses charging plugs to autonomously connect to the vehicle’s charging port (some models may require manual assistance), supporting fast and slow charging modes.
- Multi-Vehicle Service: A single robot can sequentially charge multiple vehicles with high battery capacity.
- Intelligent Management: Cloud-based platforms enable remote monitoring of battery levels, task scheduling, route optimization, and reservation-based charging.



Technical Specification

Battery Capacity	165.89 kWh
Weight	1,700 kg
Battery Voltage	512 V (480–584 V range)
Charge/Discharge Rate	1C
EV Charging	150 A max 120 kW (Single Gun) 60kW per Gun (Dual Mode) 800V fleet-ready >99% efficiency via next-gen power devices
Recharge Methods	① DC fast charging ② V2G cabinet Multiple input options
Cycle Life	>4,000 cycles @25°C, 1C/1C, 70% SOH
Cooling System	Liquid-cooled Battery + charging module
Service Life	8 years
Cable Length	7 meters
Operating/Storage Temp	-20°C to 55°C / -20°C to 65°C
Ingress Protection	IP55
Cloud Platform	Real-time monitoring, Remote management, Data analytics, App/API integration, Smart management system
Battery System Cycle Life	@25°C, 1C/1C, 70% SOH; ≥6,000 cycles
Configuration	1P160S
Capacity	165.89 kWh
Operating/Storage Temp	-20°C to 55°C / -20°C to 65°C
Ingress Protection	IP55

Applications

Large Parking Lots, Public Areas, Emergency Support, Nighttime Charging





OVER VOLTAGE PROTECTION
OVER LOAD PROTECTION



SHORT CIRCUIT PROTECTION
EARTH LEAKAGE PROTECTION



OVER-TEMP PROTECTION
SURGE PROTECTION



UNDER VOLTAGE PROTECTION
OVER CURRENT PROTECTION

PROJECT PARTICIPATED

