



# CHARGEWARE PRODUCT BROCHURE

 CHARGEWARE LTD.

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**CHARGEWARE**

# CHARGEWARE

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INTEGRATED  
DC CHARGING STATION

M1 Series

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SPLIT  
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M3 Series

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CHARGING STATION  
WITH ENERGY STORAGE

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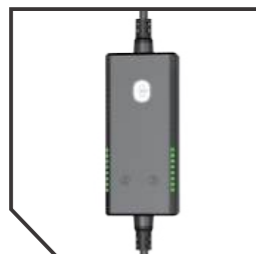


INTEGRATED BATTERY STORAGE  
CHARGING STATION

M5 Series

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### INTELLIGENT LEVEL 2 EV CHARGER



ONBOARD  
LEVEL 2 EV CHARGER

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SINGLE UNIT  
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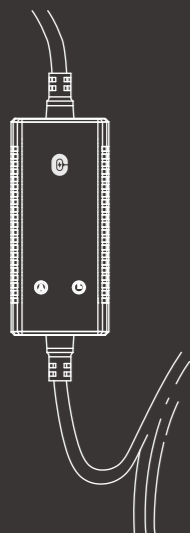
INDUSTRIAL AND COMMERCIAL  
ENERGY STORAGE

P3 Series

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# INTELLIGENT LEVEL 2 EV CHARGER

Chargeware's Intelligent AC Charging Device is a high-end, custom-engineered solution designed for the EV charging market, featuring an industrial aesthetic with classic black and gray tones for a robust, distinctive look. The product line includes portable, wall-mounted, and commercial models, all built with premium materials, precision injection molding, and integrated molding for durability and performance, meeting UL94-5VA fire retardant standards. Equipped with advanced chipsets, the device ensures exceptional charging stability and reliability, available in power options of 7.68kW, 9.6kW, 11.52kW, and 14.4kW. It supports shared, scheduled, and orderly charging functionalities, offering safe, efficient, and optimized charging solutions for various user needs.



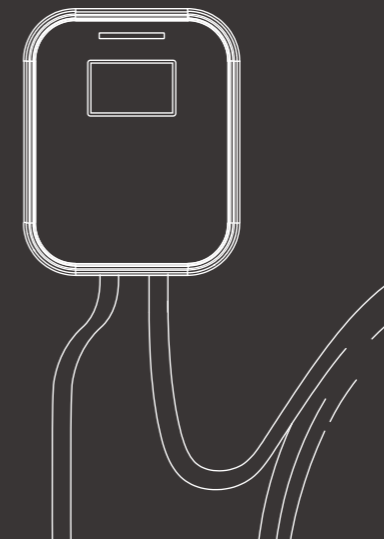
**ONBOARD  
LEVEL 2 EV CHARGER**

**A Series**



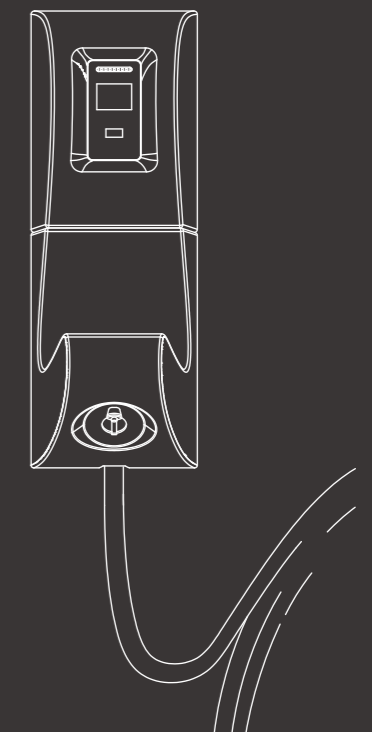
**PORTABLE  
LEVEL 2 EV CHARGER**

**T Series**



**WALL-MOUNTED  
LEVEL 2 EV CHARGER**

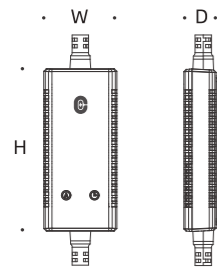
**CA Series**



**COMMERCIAL  
LEVEL 2 EV CHARGER**

**CB Series**

**7.68kW**  
**10A~32A**  
 Adjustable Current



**Dimensions(H\*W\*D)**  
 7.9 x 3.5 x 1.6 inches  
 200 x 90 x 40 mm



**ONBOARD  
 LEVEL 2 EV CHARGER**

**A SERIES**



**ACCESSORIES:**



**PRODUCT FEATURES:**

- ⦿ Compact and Portable Design
- ⦿ Robust Construction with High Enclosure Rating
- ⦿ Current Adjustment and Scheduled Charging Function

**CHARGEWARE**  
**ONBOARD LEVEL 2 EV CHARGER**  
**A SERIES**

**STRUCTURAL SHOWCASE:**

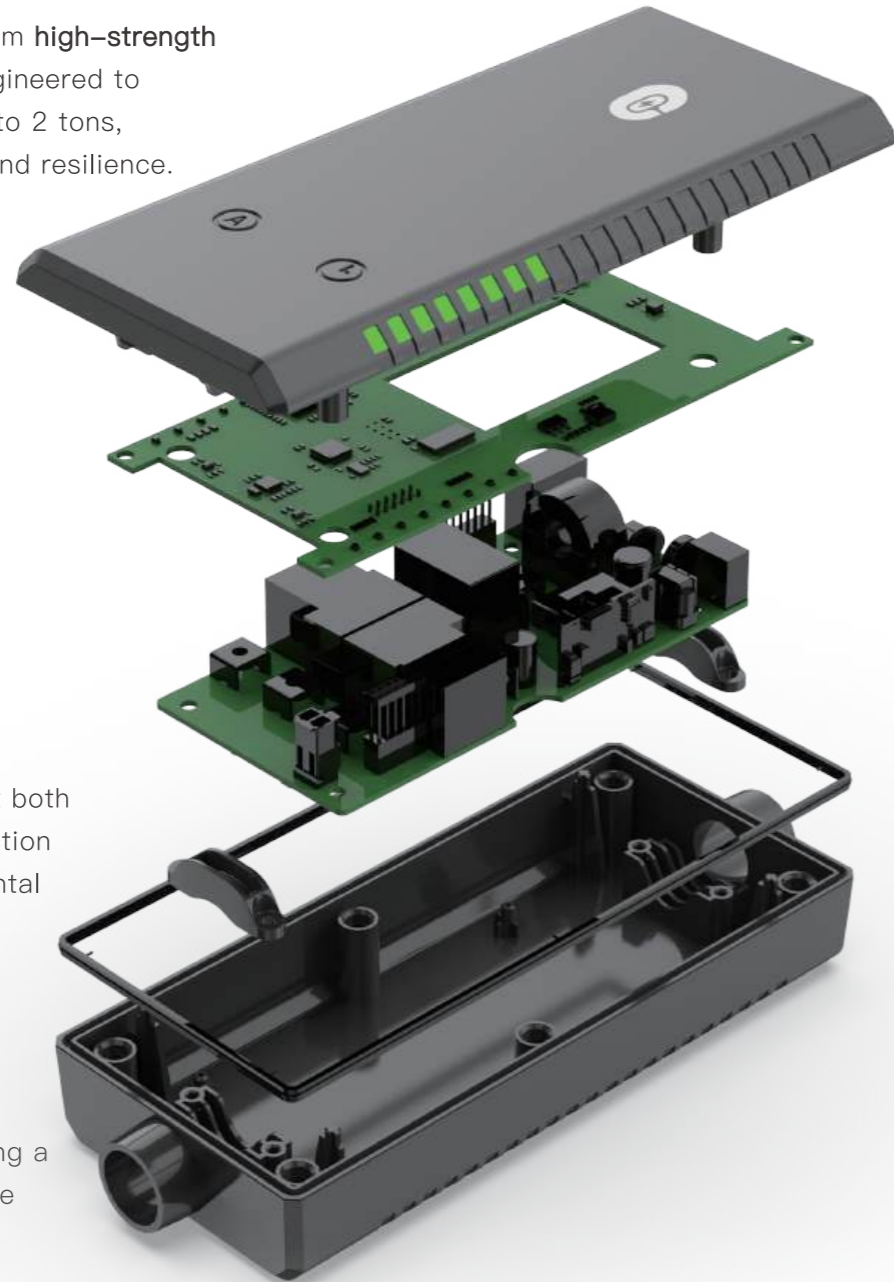
The enclosure is constructed from **high-strength polycarbonate (PC) material**, engineered to withstand external forces of up to 2 tons, ensuring exceptional durability and resilience.

**Left Indicator Light**  
 Adjustable current settings

**Right Indicator Light**  
 Scheduled charging settings

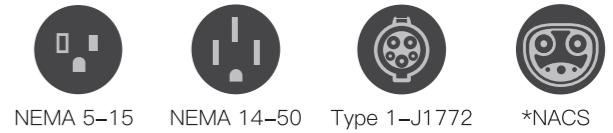
**Multi-layer waterproof design** at both ends, providing enhanced protection against moisture and environmental exposure.

The shell is constructed from a durable **PC+ASA material**, offering a lightweight build and a distinctive bilateral curved surface.



**COMPATIBILITY:**

\*Optional Type 1 (J1772) to NACS adapter available



**SPECIFICATIONS:**

**POWER**

Input/Output Power Rating & Maximum Current	7.68kW (240V AC, 10~32A)
Input/Output Voltage	120/208/240V ±15%, 50/60Hz
Adjustable Current	10/16/24/32A
Connector Type	Type 1 (SAE J1772)
Cable	24ft (7.31m) commercial grade
Protection	Over voltage, Under voltage, Overheating, Overcurrent, Leakage, Grounding, Lightning protection
Power Cord	NEMA 14-50P
Adapter	NEMA 14-50R to NEMA 5-15P

**OPERATIONAL RATINGS**

Enclosure Rating	NEMA Type 4X (Watertight)
Operating Temperature Range	-22°F ~ 122°F (-30°C ~ 50°C)
Storage Temperature Range	-40°F ~ 185°F (-40°C ~ 85°C)
Installation	Wall mounted
Dimensions(H x W x D)	7.9 x 3.5 x 1.6 inches (200 x 90 x 40 mm)
Weight Total	4.4lbs (2kg)

**USER INTERFACE**

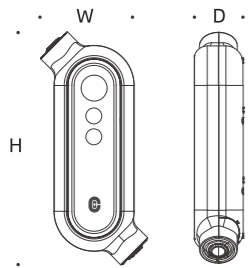
Status Indicator	LED Light
Connectivity	WiFi/Bluetooth
Charging Modes	Plug and charge/Schedule charging/APP control
APP	Charging remote controllable & OTA supported

**CERTIFICATION & STANDARDS**

Safety & Compliance	UL2594, UL2231
EMC Compliance	FCC Part-15
Certification	
Warranty	24 Months

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**9.6kW**  
**10A~40A**  
 Adjustable Current



**Dimensions(H\*W\*D)**  
 12 x 5.5 x 2.6 inches  
 305 x 140 x 65mm



**PORTABLE  
 LEVEL 2 EV CHARGER**

**T SERIES**



**ACCESSORIES:**



**PRODUCT FEATURES:**

- ◎ NEMA Type 4X Enclosure
- ◎ Dual Voltage Compatibility
- ◎ Smart Features: Monitor, Schedule Charging
- ◎ Engineered for durability and long-lasting performance

**CHARGEWARE**   
**PORTABLE LEVEL 2 EV CHARGER**  
**T SERIES**

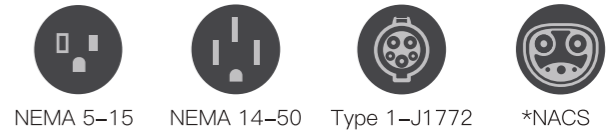
**STRUCTURAL SHOWCASE:**

- **1.28 Inch LCD Screen**  
Clear and convenient viewing of charging information.
- **Integrated internal LED indicator** with luminous breathing effect.
- **Acrylic panel**  
High transparency, extended service life, and enhanced safety standards.
- **The shell is crafted from high-quality PC+ASA material**  
Sleek, soft linear design that embodies simplicity and sophistication.
- **Environmentally friendly TPU material cable**  
High strength, excellent toughness, and superior resistance to wear, oil, water, aging, and various weather conditions.



**COMPATIBILITY:**

\*Optional Type 1 (J1772) to NACS adapter available



**SPECIFICATIONS:**

**POWER**

Input/Output Power Rating	9.6kW (240V AC, 40A)
Input/Output Voltage	120/208/240V ±15%
Frequency	50/60Hz
Adjustable Current	10/16/24/32/40A
Connector Type	SAE J1772
Cable Length	7.31m (24ft) commercial grade
Protection	Over voltage, Under voltage, Overheating, Overcurrent, Leakage, Grounding, Lightning protection
Power Cord	NEMA 14-50
Adapter	NEMA 14-50R to NEMA 5-15P


**OPERATIONAL RATINGS**

Enclosure Rating	NEMA Type 4X (Watertight)
Operating Temperature Range	-22°F ~ 122°F (-30°C ~ 50°C)
Storage Temperature Range	-40°F ~ 185°F (-40°C ~ 85°C)
Installation	Wall mounted
Dimensions(L*W*H)	305 × 140 × 65mm (12 × 5.5 × 2.6 inches)
Weight	5.1kg (11.2lbs)

**USER INTERFACE**

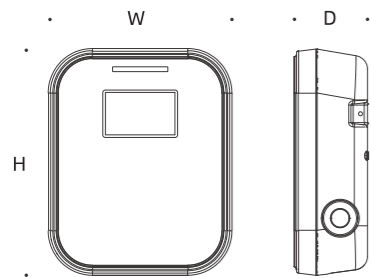
Display	LCD Screen (1.28 inch)
Status Indicator	LED light
Charging Modes	Plug and charge/Schedule charging/App control
Connectivity	2.4GHz WiFi/Bluetooth
APP	Charging remote controllable/OTA supported

**CERTIFICATION & STANDARDS**

Safety & Compliance	UL2594, UL2231
EMC Compliance	FCC Part-15
Certification	
Warranty	24 Months

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**11.52kW**  
**16A~48A**  
 Adjustable Current



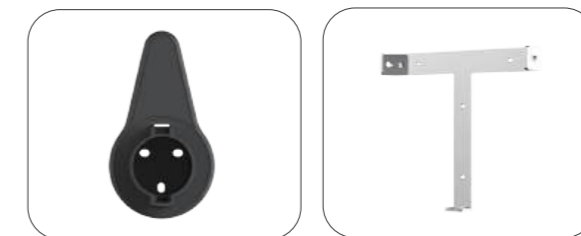
**Dimensions(H\*W\*D)**  
 11.1 x 9.1 x 3.5 inches  
 282 x 230 x 90 mm

**WALL-MOUNTED  
 LEVEL 2 EV CHARGER**

**CA SERIES**



**ACCESSORIES:**



**PRODUCT FEATURES:**

- ◎ IP54 protection rating for reliable performance in various weather conditions
- ◎ Fast and efficient charging with stable and safe operation
- ◎ Supports multiple communication modes: Bluetooth, LAN, 4G, and WiFi
- ◎ Remote fault diagnosis for improved maintenance and troubleshooting (OTA supported)

**CHARGEWARE**  
**WALL-MOUNTED LEVEL 2 EV CHARGER**  
**CA SERIES**

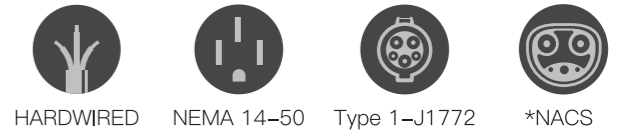
**STRUCTURAL SHOWCASE:**

- Equipped with a **full-color LCD display panel** for intuitive and convenient viewing of charging information, featuring a responsive card-swiping area and a sophisticated, high-end design.
- The shell is made from **high-quality PC+ASA material**, providing a lightweight structure and a distinctive bilateral curved surface design for enhanced aesthetics and functionality.
- Emergency Stop Button**  
 Designed for quick activation during malfunctions or emergencies, ensuring convenience and safety.
- Mounting bracket**
- Environmentally friendly TPU material cable**  
 High strength, excellent toughness, and superior resistance to wear, oil, water, aging, and various weather conditions.



**COMPATIBILITY:**

\*Optional Type 1 (J1772) to NACS adapter available



**SPECIFICATIONS:**

**POWER**

Input/Output Power Rating & Maximum Current	11.52kW (240V AC, 16~48A)
Input/Output Voltage	120/208/240V ±15%; 50/60Hz
Adjustable Current	16/24/32/40/48A
Connector Type	Type 1 (SAE J1772)
Cable	24ft (7.31m) commercial grade
Protection	Over voltage, Under voltage, Overheating, Overcurrent, Leakage, Grounding, Lightning protection
Power Cord	NEMA 14-50 Plug / Hardwire

**OPERATIONAL RATINGS**

Enclosure Rating	IP54
Operating Temperature Range	-22°F ~ 122°F (-30°C ~ 50°C)
Storage Temperature Range	-40°F ~ 185°F (-40°C ~ 85°C)
Installation	Column mounted / Wall mounted
Dimensions(H x W x D)	11.1 x 9.1 x 3.5 inches (282 x 230 x 90 mm)
Weight Total	13.2lbs (6kg)

**USER INTERFACE**

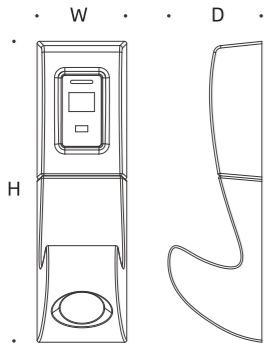
Status Indicator	LCD Screen (4.3 Inch)/APP/Indicator light
Connectivity	Bluetooth/LAN/4G/WiFi
Communication Protocols	OCPP 1.6J (Can be upgraded to OCPP 2.0.1 later)
Charging Modes	Plug and charge/Schedule charging/APP control
APP	Charging remote controllable & OTA supported

**CERTIFICATION & STANDARDS**

Safety & Compliance	UL2594, UL2231
EMC Compliance	FCC Part-15
Certification	
Warranty	24 Months

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**14.4kW**  
**32A~60A**  
Adjustable Current



**Dimensions(H\*W\*D)**

29.1 x 8.7 x 5.1 inches  
740 x 220 x 130 mm

## COMMERCIAL LEVEL 2 EV CHARGER

CB SERIES



**PRODUCT FEATURES:**

- © IP54 protection rating for reliable performance in various weather conditions
- © Fast and efficient charging with stable and safe operation
- © Supports multiple communication modes: Bluetooth, LAN, 4G, and WiFi
- © Remote fault diagnosis for improved maintenance and troubleshooting (OTA supported)
- © OCPP 1.6J Supported (Can be upgraded to OCPP 2.0.1 later)

**CHARGEWARE**  
**COMMERCIAL LEVEL 2 EV CHARGER**  
**CB SERIES**

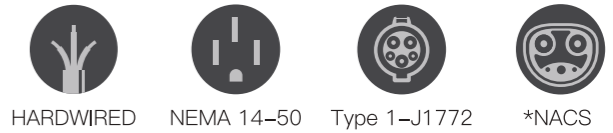
**STRUCTURAL SHOWCASE:**

- Equipped with a **full-color LCD display panel** for intuitive and convenient viewing of charging information, featuring a responsive card-swiping area and a sophisticated, high-end design.
- Integrated internal **LED indicator** with luminous breathing effect.
- Environmentally friendly TPU material cable**  
 High strength, excellent toughness, and superior resistance to wear, oil, water, aging, and various weather conditions.



**COMPATIBILITY:**

\*Optional Type 1 (J1772) to NACS adapter available



**SPECIFICATIONS:**

**POWER**

Input/Output Power Rating & Maximum Current	14.4kW(240V AC, 32~60A)
Input/Output Voltage	208/240V ±15%; 50/60Hz
Adjustable Current	32/40/48/60A
Connector Type	Type 1 (SAE J1772)
Cable	24ft (7.31m) commercial grade
Protection	Over voltage, Under voltage, Overheating, Overcurrent, Leakage, Grounding, Lightning protection
Power Connection	NEMA 14-50 / Hardwire

**OPERATIONAL RATINGS**

Enclosure Rating	NEMA Type 4X (Watertight)
Operating Temperature Range	-22°F ~ 122°F (-30°C ~ 50°C)
Storage Temperature Range	-40°F ~ 185°F (-40°C ~ 85°C)
Installation	Column mounted / Wall mounted
Dimensions(H x W x D)	29.1 x 8.7 x 5.1 inches (740 x 220 x 130 mm)
Weight Total	17.6lbs (8kg)

**USER INTERFACE**

Status Indicator	LCD Screen (3.1 Inch)/APP/Indicator light
Connectivity	Bluetooth/LAN/4G/WiFi
Communication Protocols	OCPP 1.6J (Can be upgraded to OCPP 2.0.1 later)
Charging Modes	Plug and charge/Schedule charging/APP control
APP	Charging remote controllable & OTA supported

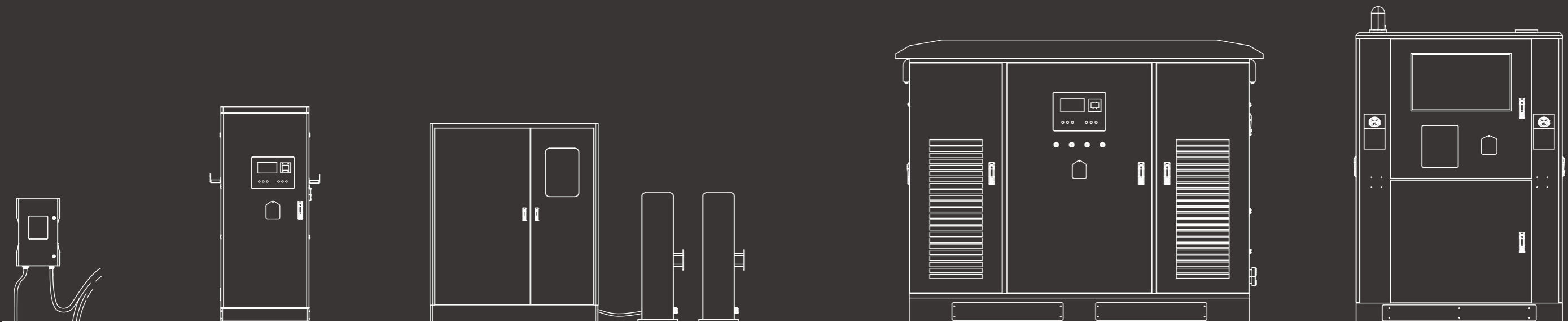
**CERTIFICATION & STANDARDS**

Safety & Compliance	UL2594, UL2231
EMC Compliance	FCC Part-15
Certification	
Warranty	24 Months

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# INTELLIGENT DC CHARGING STATION

ChargeWare's M Series represent a comprehensive range of DC electric vehicle charging solutions. This series includes integrated DC charging stations, split DC charging stations, and mobile energy storage units, available in various power capacities such as 40kW, 120kW, 160kW, 240kW, and 480kW. Leveraging ChargeWare's advanced DC charging technology, these units feature intelligent regulation capabilities that enable "time-sharing charging" functionalities, even when operating at the same power capacity.



INTEGRATED  
DC CHARGING STATION

M1 Series

INTEGRATED  
DC CHARGING STATION

M2 Series

SPLIT  
DC CHARGING STACK

M3 Series

CHARGING STATION  
WITH ENERGY STORAGE

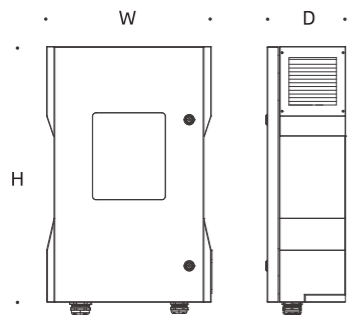
M4 Series

INTEGRATED BATTERY STORAGE  
CHARGING STATION

M5 Series

# INTEGRATED DC CHARGING STATION

M1 SERIES



**Dimensions(H\*W\*D)**

27.6 x 17.7 x 8.4 inches  
700 x 450 x 214.5 mm



**PRODUCT FEATURES:**

- ⊙ High protection and low-noise design with strong adaptability to various environments
- ⊙ Segmented compartments for control and power components, ensuring high equipment reliability. Intelligent safety monitoring with real-time dynamic data tracking for 24/7 operation
- ⊙ Optimized charging efficiency reaching up to 95%, enhancing operational productivity
- ⊙ Low standby power consumption, reducing operational costs
- ⊙ Ultra-wide charging voltage range to accommodate various vehicle models
- ⊙ Modular design with options for wall-mounted or column installations
- ⊙ Intelligent management features, including online status diagnostics and OTA remote updates
- ⊙ Cold light assistance and integrated QR code design for a sleek, user-friendly appearance

**20/30/40kW**  
Single Charging Connector

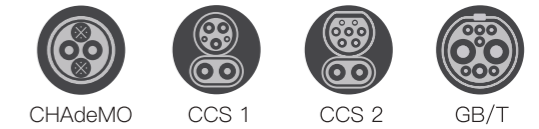
**CHARGEWARE**   
**INTEGRATED DC CHARGING STATION**  
**M1 SERIES**

**STRUCTURAL SHOWCASE:**

- Equipped with a **full-color LCD display panel** for intuitive and convenient viewing of charging information, featuring a responsive card-swiping area and a sophisticated, high-end design.
- IP54 Protective Enclosure**
- Emergency Stop Button**  
Designed for quick activation during malfunctions or emergencies, ensuring convenience and safety.
- Mounting bracket**
- Environmentally friendly TPU material cable**  
High strength, excellent toughness, and superior resistance to wear, oil, water, aging, and various weather conditions.



**COMPATIBILITY:**



**SPECIFICATIONS:**

**BASIC SPECIFICATIONS**

Rated Power	20kW / 30kW / 40kW
Cooling Method	Forced Air Cooling
Connectivity	Ethernet/4G
Enclosure	IP54
Installation Method	Wall-mounted/Floor-mounted (Column optional)
Dimensions (H x W x D)	27.6 x 17.7 x 8.4 inches (700 x 450 x 214.5 mm)
Weight (including modules)	≤143lbs (65kg)
Cable	5m (customizable) Commercial Grade

**POWER INPUT**

Input Voltage	400/480V AC, 3P+N+PE
Frequency	50/60Hz
Power Factor	≥0.99
Total Harmonic Distortion	≤5%

**POWER OUTPUT**

Voltage Range	200~1000V DC
Maximum Current	66.7A / 100A / 133A
Peak Efficiency	≥90%
Output Voltage Deviation	≤ ±0.5%
Output Current Deviation	≤30A, ≤ ±1% (0.3A)
Precision of Voltage Regulation	≤ ±0.5%
Precision of Current Regulation	≤ ±1%
Ripple Coefficient	≤ ±1%

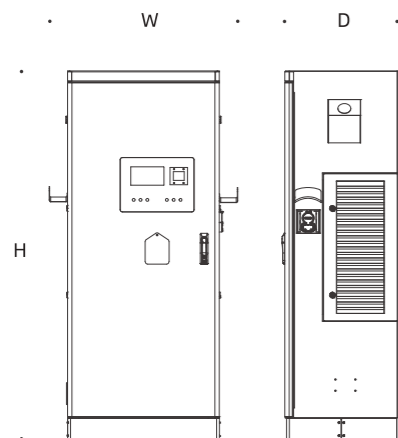
**OPERATIONAL RATINGS**

Operating Temperature	-22°F ~ 122°F (-30°C ~ 50°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Relative Humidity	5%~90%RH, non-condensing

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## INTEGRATED DC CHARGING STATION

M2 SERIES



**Dimensions(H\*W\*D)**

74.9 x 34.3 x 20.5 inches  
1902 x 870 x 520 mm



**PRODUCT FEATURES:**

- ◎ All-aluminum interlocking louvers with 50ppi dense dustproof design
- ◎ Real-time monitoring of 24 charging dynamic data for enhanced safety
- ◎ Streamlined design with a high-brightness SOC status display
- ◎ Maximum efficiency of up to 96%, boosting operational performance
- ◎ Charging module with glue-filling process for resistance to wind, sand, and salt spray
- ◎ Wide constant power range of 300~1000V, enabling 100% fast charging for all vehicle types
- ◎ Intelligent equipment management with support for online status diagnostics and OTA remote upgrades

**120/160kW**  
Double Charging Connectors

**CHARGEWARE**   
**INTEGRATED DC CHARGING STATION**  
**M2 SERIES**

**STRUCTURAL SHOWCASE:**

- Equipped with a **full-color LCD display panel** for intuitive and convenient viewing of charging information, featuring a responsive card-swiping area and a sophisticated, high-end design.

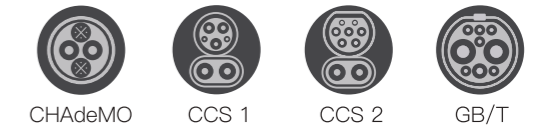
- IP54 Protective Enclosure**

- Emergency Stop Button**  
Designed for quick activation during malfunctions or emergencies, ensuring convenience and safety.

- Environmentally friendly TPU material cable**  
High strength, excellent toughness, and superior resistance to wear, oil, water, aging, and various weather conditions.



**COMPATIBILITY:**



**SPECIFICATIONS:**

**BASIC SPECIFICATIONS**

Rated Power	120kW / 160kW
Cooling Method	Forced Air Cooling
Connectivity	Ethernet/4G
Enclosure	IP54
Installation Method	Floor-mounted
Dimensions (H x W x D)	74.9 x 34.3 x 20.5 inches (1902 x 870 x 520 mm)
Weight (including modules)	≤660lbs (300kg) / ≤ 792lbs (360kg)
Number of Supported Charging Connectors	2 (single connector 250A)
Cable	5m (outside the cabinet) Commercial Grade

**POWER INPUT**

Input Voltage	400/480V AC±15%, 3P+N+PE
Frequency	50/60Hz
Rated Input Current	≤ 219A / ≤ 292A
Power Factor	≥0.99
Total Harmonic Distortion	≤5%

**POWER OUTPUT**

Voltage Range	200~1000V DC
Maximum Current	Single connector 250A
Charging Strategy	60kW+60kW / 80kW+80kW
Peak Efficiency	≥90%
Output Voltage Deviation	≤ ±0.5%
Output Current Deviation	≤30A, ≤ ±1% (0.3A)
Precision of Voltage Regulation	≤ ±0.5%
Precision of Current Regulation	≤ ±1%
Ripple Coefficient	≤ ±1%

**OPERATIONAL RATINGS**

Operating Temperature	-22°F ~ 122°F (-30°C ~ 50°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Relative Humidity	5%-90%RH, non-condensing

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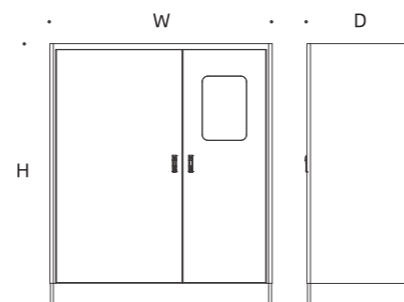
# SPLIT DC CHARGING STACK

M3 SERIES



**Dimensions(H\*W\*D)**  
57.3 x 19.7 x 11 inches  
1455 x 500 x 280 mm

**Dimensions(H\*W\*D)**  
70.9 x 51.2(55.1) x 35.8 inches  
1800 x 1300(1400) x 910 mm



**360/480kW**  
Multi charging connectors



**PRODUCT FEATURES:**

- ◎ Low standby power consumption to minimize operating costs
- ◎ Ultra-wide constant power range, enabling 100% fast charging for all vehicle types
- ◎ Intelligent safety system with real-time monitoring of 24 charging dynamic data for enhanced safety
- ◎ Charging module with glue-filling process for strong resistance to wind, sand, and salt spray environments
- ◎ Intelligent equipment management with online status diagnostics and OTA remote upgrade capabilities
- ◎ Streamlined design featuring a high-brightness SOC status display for real-time charging progress monitoring

**CHARGEWARE**   
**SPLIT DC CHARGING STACK**  
**M3 SERIES**

**STRUCTURAL SHOWCASE:**

- Equipped with a **full-color LCD display panel** for intuitive and convenient viewing of charging information, featuring a responsive card-swiping area and a sophisticated, high-end design.
- IP54 Protective Enclosure**
- Scram button**  
Press the button quickly when problems such as malfunction occur, which is convenient and safe.
- Modular design that supports up to 8 charging terminals**



- Environmentally friendly TPU material cable**  
High strength, excellent toughness, and superior resistance to wear, oil, water, aging, and various weather conditions.

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**COMPATIBILITY:**



**SPECIFICATIONS:**

**BASIC SPECIFICATIONS**

Rated Power	360kW / 480kW
Cooling Method	Forced Air Cooling/Liquid Cooling
Connectivity	Ethernet/4G
Enclosure	IP54
Installation Method	Floor-mounted
Dimensions (H x W x D)	70.9 x 55.1 x 35.8 inches (1800 x 1400 x 910 mm)
Terminal Dimensions (H x W x D)	57.3 x 19.7 x 11 inches (1455 x 500 x 280 mm)
Number of Supported Terminals	3~6 / 4~8

**POWER INPUT**

Input Voltage	400/480V AC±15%, 3P+N+PE
Frequency	50/60Hz
Power Factor	≥0.99
Total Harmonic Distortion	≤5%

**POWER OUTPUT**

Voltage Range	200~1000V AC
Maximum Current	1200A / 1600A (System)
Constant Power Voltage Range	300~1000V DC
Peak Efficiency	≥90%
Output Voltage Deviation	≤ ±0.5%
Output Current Deviation	≤30A, ≤ ±1% (0.3A)
Precision of Voltage Regulation	≤ ±0.5%
Precision of Current Regulation	≤ ±1%
Ripple Coefficient	≤ ±1%

**OPERATIONAL RATINGS**

Operating Temperature	-22°F ~ 122°F (-30°C ~ 50°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Relative Humidity	5%~90%RH, non-condensing

# CHARGING STATION WITH ENERGY STORAGE

M4 SERIES

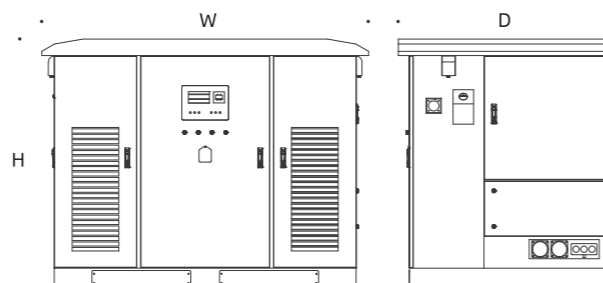


## PRODUCT FEATURES:

- ⊙ Modular design for flexible configuration and reliable operation
- ⊙ Intelligent liquid cooling for precise temperature control, quiet and efficient performance
- ⊙ NEMA 4 (IP66) protection rating, suitable for complex and variable outdoor environments
- ⊙ Enhanced lithium battery capacity to reduce grid pressure
- ⊙ Peak shaving and valley filling capabilities to lower operational costs
- ⊙ Integration with photovoltaic systems is optional for optimal use of renewable energy
- ⊙ Compatibility with open communication protocols
- ⊙ Support for multiple charging interface standards

### Dimensions(H\*W\*D)

71.3 x 93.7 x 60.4 inches  
1812 x 2380 x 1535 mm



**100kW**  
Double Charging Connectors

# CHARGEWARE

## CHARGING STATION WITH ENERGY STORAGE

M4 SERIES

### STRUCTURAL SHOWCASE:

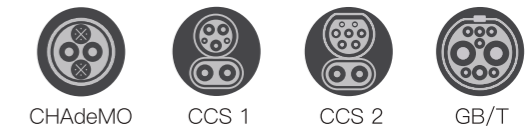
- Equipped with a full-color LCD display panel for intuitive and convenient viewing of charging information, featuring a responsive card-swiping area and a sophisticated, high-end design.
- NEMA 4 (IP66) Protective Enclosure
- Emergency Stop Button  
Designed for quick activation during malfunctions or emergencies, ensuring convenience and safety.
- Built-in 215 kWh (Customizable) battery stack



- Environmentally friendly TPU material cable  
High strength, excellent toughness, and superior resistance to wear, oil, water, aging, and various weather conditions.

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### COMPATIBILITY:



### SPECIFICATIONS:

#### POWER INPUT

Rated Output Power	100kW
Rated Grid Voltage	3P+N+PE
Grid Voltage Range	400V AC±15%
Rated Grid Frequency	50/60Hz
Adjustable Power Factor Range	-0.9 ~+0.9
Overload Capacity	s 105%: Long-term operation; [105%, 110%] : Operating time ≥ 10min; > 110%: Stop

#### STACK POWER OUTPUT

Battery Stack Capacity	215kWh(Customizable)
Output Voltage	200~1000V DC
Precision of Voltage Regulation	≤±1%
BMS Auxiliary Power Supply	12V

#### BATTERY STORAGE SPECIFICATIONS

Rated Voltage	691V DC
Voltage Range	583~777V DC (Corresponding single cell voltage: 2.7~3.6V)
Rated Charging Current	0.5C
Maximum Charging Current	0.5C
Rated Discharge Current	0.5C
Maximum Discharge Current	0.5C

#### OTHER SPECIFICATIONS

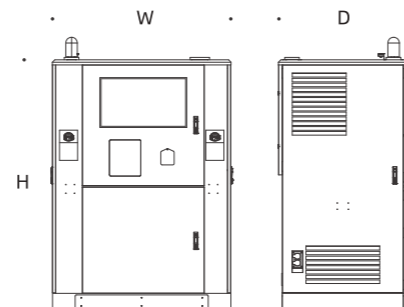
Overall Maximum Efficiency	≥90%
Dimensions (H x W x D)	71.3 x 93.7 x 60.4 inches (1812 x 2380 x 1535 mm)
Enclosure Rating	NEMA 4 (IP66)
Operating Humidity Range	0%~95%RH, non-condensing
Cooling Method	Liquid Cooling
Maximum Operating Altitude	3000m
Connectivity	RS485/CAN/4G/LAN

# INTEGRATED BATTERY STORAGE CHARGING STATION

M5 SERIES



**Dimensions(H\*W\*D)**  
74 x 58 x 39.4 inches  
1882 x 1475 x 1000 mm



**40kW**  
Double Charging Connectors



**PRODUCT FEATURES:**

- ⊙ Modular design for flexible configuration and reliable operation
- ⊙ Compact size with low power consumption
- ⊙ Intelligent liquid cooling for precise temperature control, quiet and efficient performance
- ⊙ NEMA 3S (IP54) protection rating, suitable for complex and variable outdoor environments
- ⊙ Enhanced lithium battery capacity to reduce grid pressure
- ⊙ Peak shaving and valley filling capabilities to lower operational costs
- ⊙ Intelligent equipment management with support for online status diagnostics and OTA remote upgrades
- ⊙ Compatibility with open communication protocols
- ⊙ Support for multiple charging interface standards

# CHARGEWARE

## INTEGRATED BATTERY STORAGE CHARGING STATION

M5 SERIES

### STRUCTURAL SHOWCASE:

- Equipped with dual full-color LCD panels for displaying advertisements while providing clear and convenient charging information, responsive card reader area, and an elegant, premium design.

- NEMA 3S (IP54) Protective Enclosure

- Emergency Stop Button**  
Designed for quick activation during malfunctions or emergencies, ensuring convenience and safety.

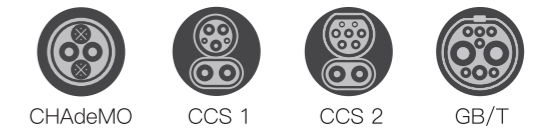
- Built-in 100 kWh (Customizable) battery stack



- Environmentally friendly TPU material cable**  
High strength, excellent toughness, and superior resistance to wear, oil, water, aging, and various weather conditions.

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### COMPATIBILITY:



### SPECIFICATIONS:

#### POWER INPUT

Rated Output Power	40kW
Rated Grid Voltage	3P+N+PE
Grid Voltage Range	400V AC±15%
Rated Grid Frequency	50/60Hz
Adjustable Power Factor Range	-0.9 ~+0.9
Overload Capacity	s 105%: Long-term operation; [105%, 110%] : Operating time ≥ 10min; > 110%: Stop

#### STACK POWER OUTPUT

Battery Stack Capacity	100kWh(Customizable)
Output Voltage	200~1000V DC
Precision of Voltage Regulation	≤±1%
BMS Auxiliary Power Supply	12V

#### BATTERY STORAGE SPECIFICATIONS

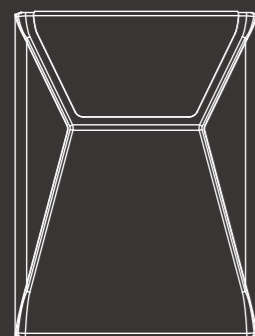
Rated Voltage	332V DC
Voltage Range	280~375V DC (Corresponding single cell voltage: 2.7~3.6V)
Rated Charging Current	0.5C
Maximum Charging Current	0.5C
Rated Discharge Current	0.5C
Maximum Discharge Current	0.5C

#### OTHER SPECIFICATIONS

Overall Maximum Efficiency	≥90%
Dimensions (H x W x D)	74 x 58 x 39.4 inches (1882 x 1475 x 1000 mm)
Enclosure Rating	NEMA 3S (IP54)
Operating Humidity Range	0%~95%RH, non-condensing
Cooling Method	Liquid Cooling
Maximum Operating Altitude	3000m
Connectivity	RS485/CAN/4G/LAN

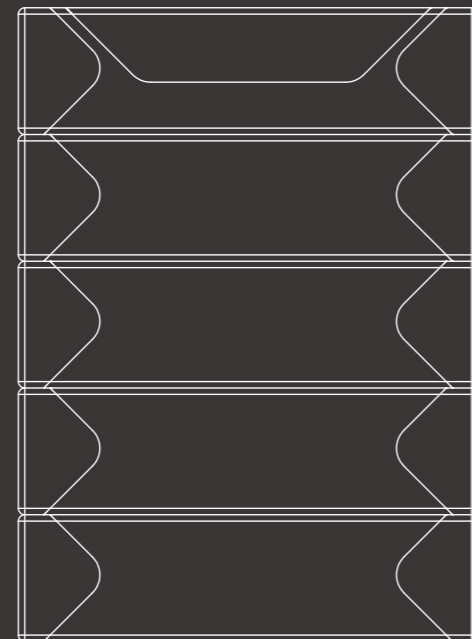
# ENERGY STORAGE SYSTEM

The P Series energy storage system integrates power batteries, charge-discharge units, energy management and control units, along with fire and safety protection systems. This system maximizes the value of batteries, providing a reliable foundation for emergency power during sudden outages, grid infrastructure expansion, and various other applications. It is ideal for solar power, wind power, grid-connected, and other industrial uses. Additionally, it can be combined with other energy management products from our company to create a smart energy micro-grid, delivering safe, efficient, and cost-effective energy storage solutions.



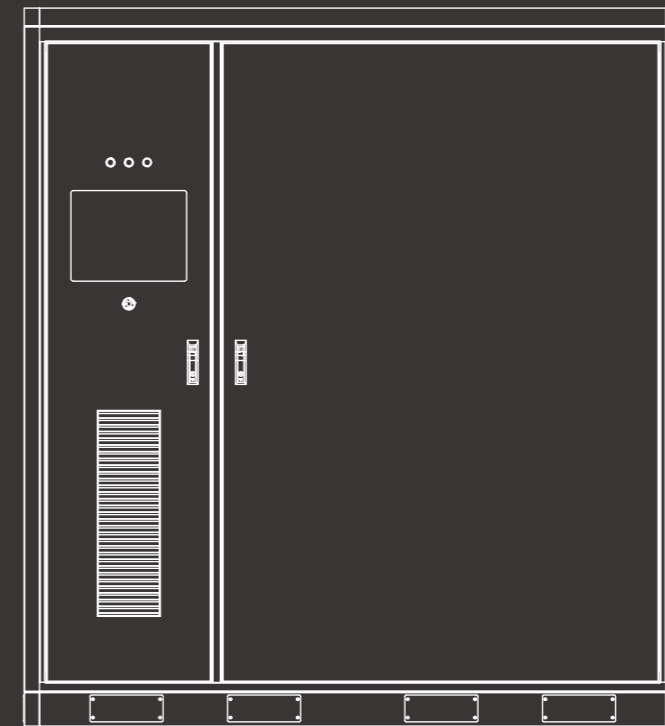
SINGLE UNIT ENERGY STORAGE

P1 Series



STACKABLE MULTI-UNITS ENERGY STORAGE

P2 Series



INDUSTRIAL AND COMMERCIAL ENERGY STORAGE

P3 Series

# SINGLE UNIT ENERGY STORAGE

P1 SERIES



## SPECIFICATIONS:

### BASIC SPECIFICATIONS

Battery Type	Lifepo4 280Ah
Module Number	1 (Maximum 16 modules stackable together)
Battery Capacity	14.3kWh
Voltage Range	44.8~57.6V DC
Standard Charge and Discharge Current	140A
Maximum Charge and Discharge Current	200A
Weight	13.2lbs (170kg)
Dimensions (H x W x D)	45.8 x 28.9 x 16.4 inches (1163 x 735 x 417 mm)

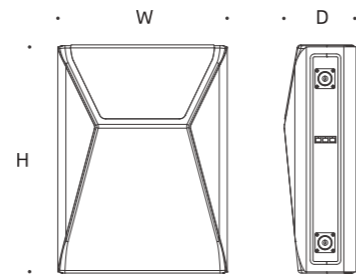
### OPERATING CHARACTERISTICS

Connectivity	RS485/CAN/Ethernet(remote maintenance)
Enclosure Rating	IP66
Cycle Life (25°C 0.5c/0.5c@70%soh)	≥ 8000 Times
Installation	Wall mounted
Inverter	Compatible with major inverters on the market

### OPERATIONAL RATINGS

Operating Temperature	Charging 14°F ~ 113°F (-10°C ~ 45°C); Discharging -4°F ~ 113°F (-20°C ~ 45°C)
Working Humidity	5%~95%RH, no condensation
Corrosion Resistance	C4
Workable Altitude	<2000m

**14.3kWh**  
Nominal capacity



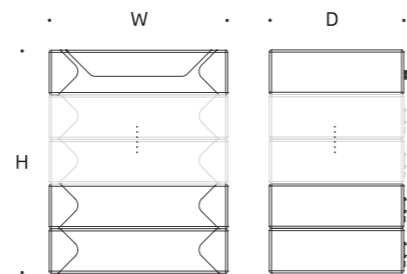
**Dimensions(H\*W\*D)**  
45.8 x 28.9 x 16.4 inches  
1163 x 735 x 417 mm

# STACKABLE MULTI-UNITS ENERGY STORAGE

**P2 SERIES**



**23.5kWh**  
Nominal capacity



**Dimensions(H\*W\*D)**  
71.6 x 25.5 x 12.2 inches  
1818 x 648 x 310 mm



## SPECIFICATIONS:

### BASIC SPECIFICATIONS

Module Number	Maximum 5 modules stackable
Battery Capacity	4.7kWh/Module
Rated Voltage	512V DC
Cooling Method	Natural cooling
Weight	635.8lbs (289kg)
Dimensions (H x W x D)	71.6 x 25.5 x 12.2 inches (1818 x 648 x 310 mm)

### OPERATING CHARACTERISTICS

Connectivity	WiFi, Ethernet (remote query and control)
Enclosure Rating	IP66
Cycle Life	≥6000 times
Installation	Floor-mounted

### OPERATIONAL RATINGS

Operating Temperature	-4°F ~ 113°F (-20°C ~ 45°C)
Working Humidity	5%~95%RH, no condensation
Corrosion Resistance	C4
Workable Altitude	<2000m

### HYBRID INVERTER MODULE

Rated AC Voltage	480V AC, 3P+PE
Rated AC Frequency	50/60Hz
Rated AC Power	10kW
On-grid and Off-grid Switching Time	<20ms
Pv Max. Input Power	16kW
Mppt Number	2
Mppt Voltage Range	200~850V DC
Maximum Charge and Discharge Current	50A
EU Efficiency	97.51%

# INDUSTRIAL AND COMMERCIAL ENERGY STORAGE

P3 SERIES



## SPECIFICATIONS:

### BASIC SPECIFICATIONS

Battery Capacity	215kWh / 232kWh
Module Specifications	LFP 280Ah/1P48Sx5 / LFP 280Ah/1P52Sx5
Rated Voltage	768V DC / 832V DC
Voltage Range	648~864V DC / 702~949V DC
Enclosure	IP55
Max. Charge & Discharge Rate	0.5P@25°C
Weight	≤6172.9lbs (2.8t)
Dimensions (H x W x D)	88.6 x 57 x 51.2 inches (2250 x 1450 x 1300 mm)

### OPERATING CHARACTERISTICS

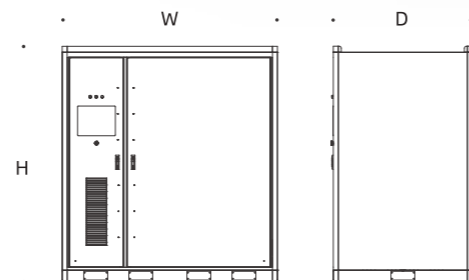
Fireproof	Heptafluoropropane/perfluorohexanone
Certification Method	QR code/IC card/password
Primary Material	Galvanized steel plate
Cooling Method	Liquid cooling
Environmental Monitoring	Temperature/smoke/open flame/combustible gas

### OPERATIONAL RATINGS

Operating Temperature	-22°F ~ 122°F (-30 ~ 50°C)(>45°C Derating)
Working Humidity	5%~95%RH, non-condensing
Corrosion Resistance	C4 (up to C5 optional)
Workable Altitude	5000m (>2000m Derating)

# 215/232kWh

Nominal capacity



**Dimensions(H\*W\*D)**

88.6 x 57 x 51.2 inches  
2250 x 1450 x 1300 mm

# CORE COMPONENTS AND MODULES

## CORE ELECTRONIC COMPONENTS OF EV CHARGING STATION



Our production line is equipped with high-speed automatic SMT (Surface Mount Technology) machines, along with advanced reflow soldering, wave soldering, and other cutting-edge production and automated testing equipment from leading brands such as Siemens and Samsung. We have the full capability to independently design, produce, and manufacture AC and DC PCBAs that comply with international standards.



Maximum Number of Layers	40L	Maximum Working Board Size	2000x610mm
Maximum Board Thickness	8.0mm	Thinnest 4-Layer Board	0.33mm
Minimum Board Thickness	0.4mm	Minimum Mechanical Hole/Pad	0.15/0.35mm
Maximum Aspect Ratio	14:01	Drilling Accuracy	+/-0.025mm
Maximum Copper Thickness	100Z	PTH Hole Diameter Tolerance	+/-0.03mm

## COMPONENTS OF AC CHARGER



Dual-head EV charging cable		Type2-Type2/Type2-Type1	
Rated Operating Current	16/32A	Operating Voltage	250/480V
Insulation Resistance	>500MΩ(DC500V)	Contact Resistance	0.5mΩ Max
Terminal Temperature Rise	< 50K	Dielectric Withstanding Voltage	2000V
Mechanical Lifespan	Unloaded insertions /removals >10,000 times	Mating and Unmating Force	45N<F<100N
		Impact Resistance	Withstands 1m drop



Single-head EV charger		Type1/Type2	
Rated Operating Current	16/32A	Operating Voltage	250/480V
Insulation Resistance	>500MΩ(DC500V)	Contact Resistance	0.5mΩ Max
Terminal Temperature Rise	< 50K	Dielectric Withstanding Voltage	2000V
Mechanical Lifespan	Unloaded insertions /removals >10,000 times	Mating and Unmating Force	45N<F<100N
		Impact Resistance	Withstands 1m drop



Adapter		Type1-Type2/Type2-GB/Type2-Type1	
Rated Operating Current	16/32A	Operating Voltage	110/250V
Insulation Resistance	>1000MΩ(DC500V)	Contact Resistance	0.5mΩ Max
Terminal Temperature Rise	< 50K	Dielectric Withstanding Voltage	2000V
Mechanical Lifespan	Unloaded insertions /removals >10,000 times	Mating and Unmating Force	45N<F<100N

## CORE ELECTRONIC COMPONENTS OF DC CHARGER

Our charging module is built using advanced power technology and state-of-the-art manufacturing processes, tailored for power conversion in new energy vehicle charging systems. It boasts an ultra-wide constant power output voltage range, optimizing station space, reducing costs, and enhancing overall station utilization. Key features include active power factor correction, high efficiency, high reliability, intelligent control, and an attractive design. The module utilizes intelligent air cooling for heat dissipation, ensuring high power density and a compact form factor. Additionally, it supports hot-swapping and includes reverse flow protection.



20kW Ultra-Wide Constant Power Charging Module

Output Rated Value	1000V DC/20A	Input Frequency	50/60Hz
Constant Power Range	20kW (300~1000V DC)	Operating Temperature	-40 ~ 75°C
Output Voltage Range	150~1000V DC	Cooling Method	Air cooling
Output Current Range	0~66.7A	Weight	≤12kg
Input Voltage	260~485V AC	Dimensions (HxWxD)	218x84x459mm



30kW Ultra-Wide Constant Power Charging Module

Output Rated Value	1000V DC/30A	Input Frequency	50/60Hz
Constant Power Range	30kW (300~1000V DC)	Operating Temperature	-40 ~ 75°C
Output Voltage Range	150~1000V DC	Cooling Method	Air cooling
Output Current Range	0~100A	Weight	≤17kg
Input Voltage	260~485V AC	Dimensions (HxWxD)	300x84x437mm

## ENERGY STORAGE CORE ELECTRONIC COMPONENTS

Our power module utilizes high-frequency isolated bidirectional conversion technology, specifically soft-switching resonant technology, to achieve high efficiency. The converter allows bidirectional energy flow, automatically switching between charging and discharging modes. With a DSP-based design, it supports module parallelization and CAN/RS485 communication, enabling seamless integration and control with third-party devices. This power module is ideal for applications involving shared DC bus systems, where high-frequency isolation between batteries and DC buses is required, making it the preferred solution for bidirectional energy flow applications.



10kW Energy Storage PCS

AC Connection Method	Three-phase Four-wire System	Temperature	-25 ~ 45°C
Rated Output Power	10kW	Altitude	≤5000m
Max. DC Power	11kW	Cooling Method	Forced air cooling
DC Voltage Range	200~800V DC	Communication	IP21
Rated Grid Voltage	220/380/440V AC	Protection Level	RS485/Wifi/GPRS/Ethernet
Rated Grid Frequency	50/60Hz	Dimensions (HxWxD)	428x177x562mm



100kW Energy Storage PCS

AC Connection Method	Three-phase Four-wire System	Temperature	-25 ~ 45°C
Rated Output Power	100kW	Altitude	≤5000m
Max. DC Power	110kW	Cooling Method	Forced air cooling
DC Voltage Range	400~800V DC	Communication	IP21
Rated Grid Voltage	220/380/440V AC	Protection Level	RS485/Wifi/GPRS/Ethernet
Rated Grid Frequency	50/60Hz	Dimensions (HxWxD)	660x275x660mm



**CHARGEWARE**