

EStand 233

Cabinet DC Fast Charging Solution

EStand is a high-performance energy storage solution for commercial and industrial use, featuring optimized thermal management, efficient energy cycling, advanced fire and gas detection, and intelligent power management for reliable and scalable energy integration.



Product Function



Stable & Reliable Performance

Featuring a 233kWh energy storage system, it delivers consistent power even during grid instability. An advanced thermal management system ensures efficient heat dissipation, enabling long-term stable operation.



Energy-Efficient & Eco-Friendly:

High-efficiency power conversion minimizes energy loss and lowers costs. Compatible with solar, wind, and supports CCS1 plus NACS charging interfaces for versatile EV integration and sustainability.



Space-Saving Design

The dual-gun charger adopts a compact design that conserves installation space, making it ideal for various application scenarios including urban and commercial environments.



Intelligent Management System

Supports remote operation and real-time monitoring for easier maintenance and control. It also logs detailed charging data, helping operators optimize energy usage and refine charging strategies.



Enhanced User Experience

Designed with user convenience in mind, it features an intuitive interface and supports multiple payment methods. Built-in protections like over-voltage and over-current safeguards ensure a safe and reliable charging experience.



Cost-Effective Operation

Its high charging efficiency reduces power loss, improving overall energy utilization. Intelligent system control and optimized cooling also extend equipment lifespan, further reducing long-term operational costs.

Product Features

High-Power Fast Charging

Delivers up to 400kW for ultra-fast EV charging and supports dual-vehicle charging to improve efficiency and reduce wait times.

Comprehensive Safety Protection

Equipped with over-voltage, over-current, over-temperature, and short-circuit protection, plus insulation monitoring and emergency stop for maximum safety.

Integrated Energy Storage & Off-Grid Power

Features a 233kWh battery system that provides backup power during grid outages or peak hours, ensuring continuous charging even when off-grid.

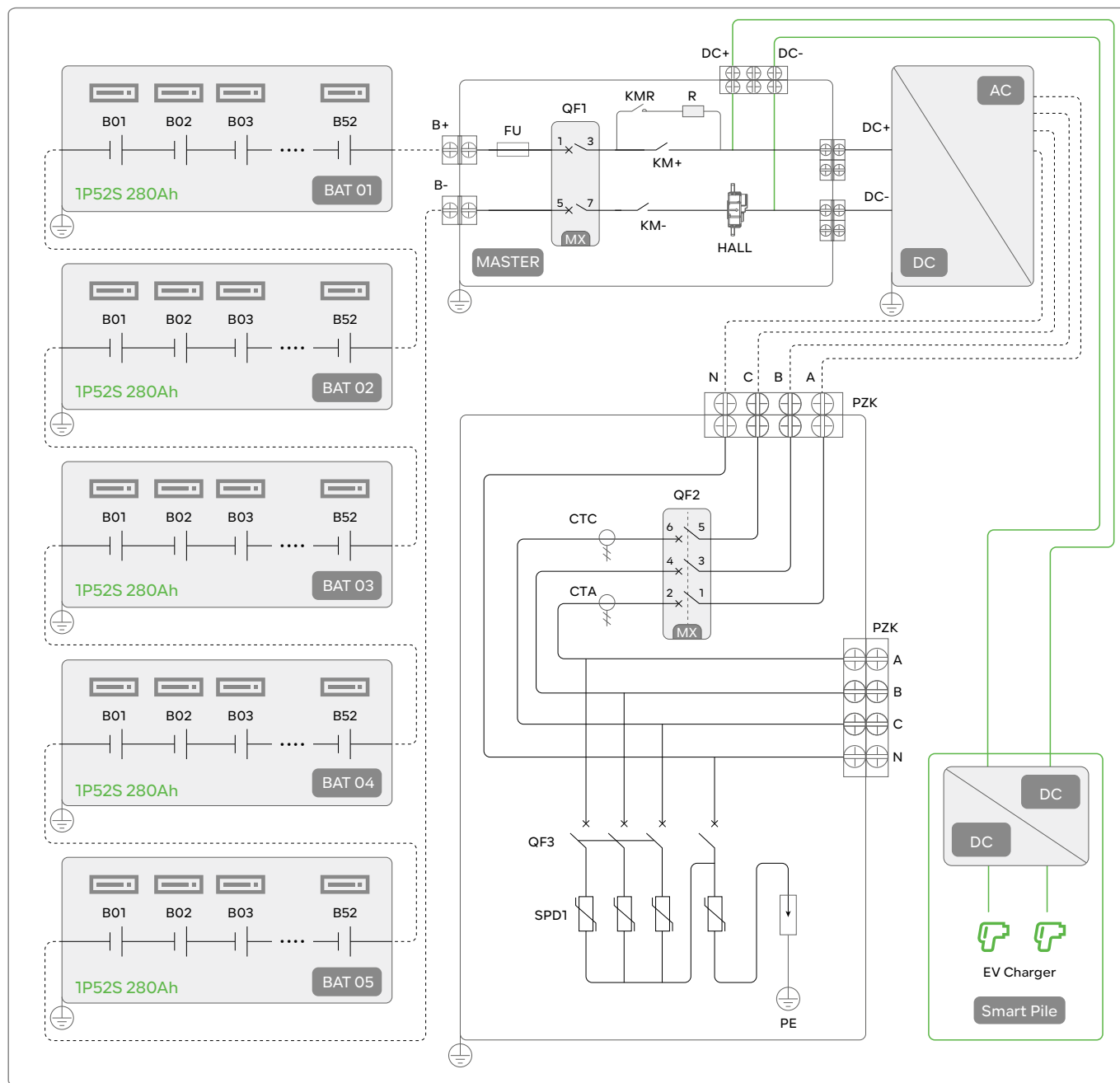
Smart Data Tracking & Energy Analysis

Automatically records detailed charging data, including energy usage, duration, and cost, for both users and operators. It also offers energy consumption reports to help optimize the operation and efficiency of the charging station.

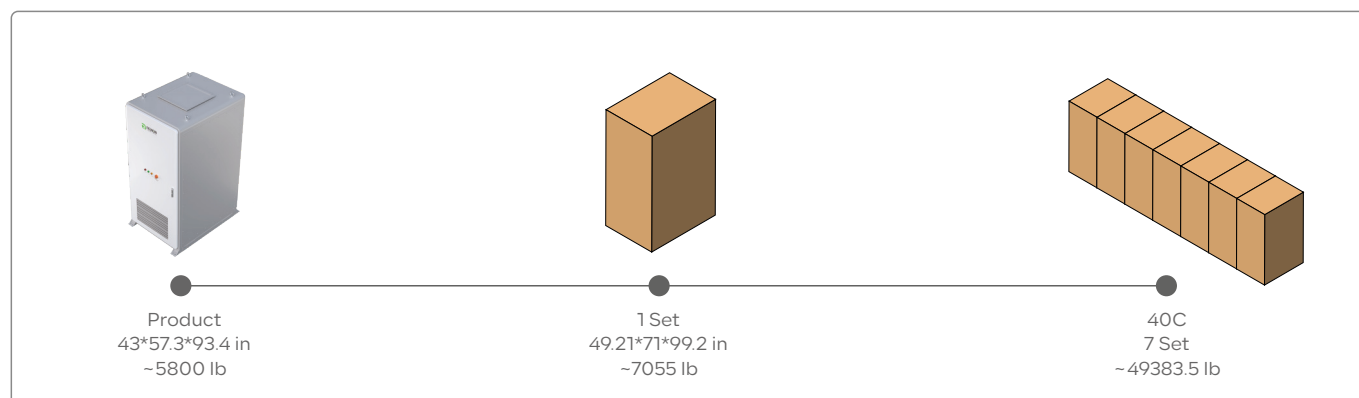
Application Scenario



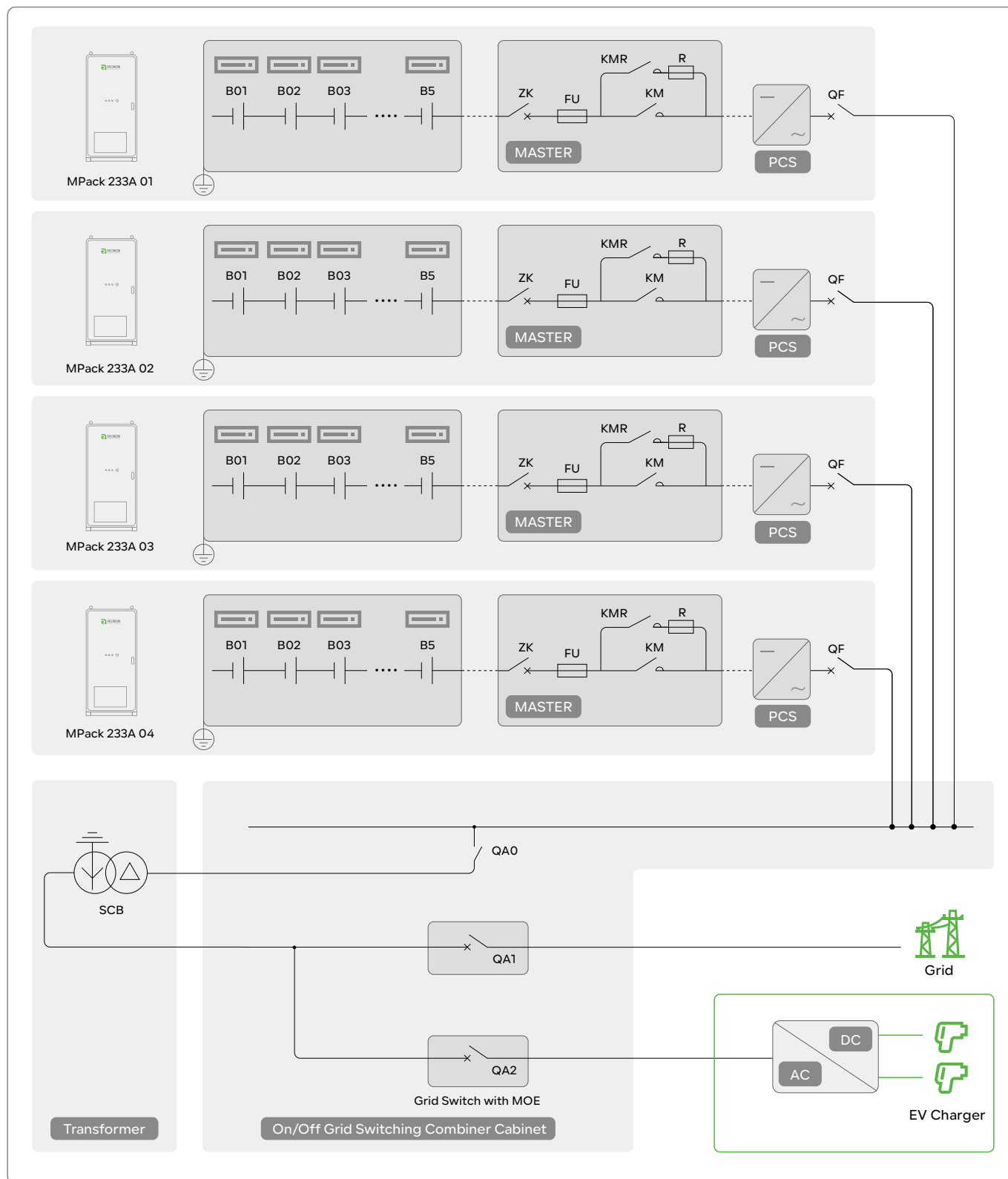
Product Topology(DC Coupling)



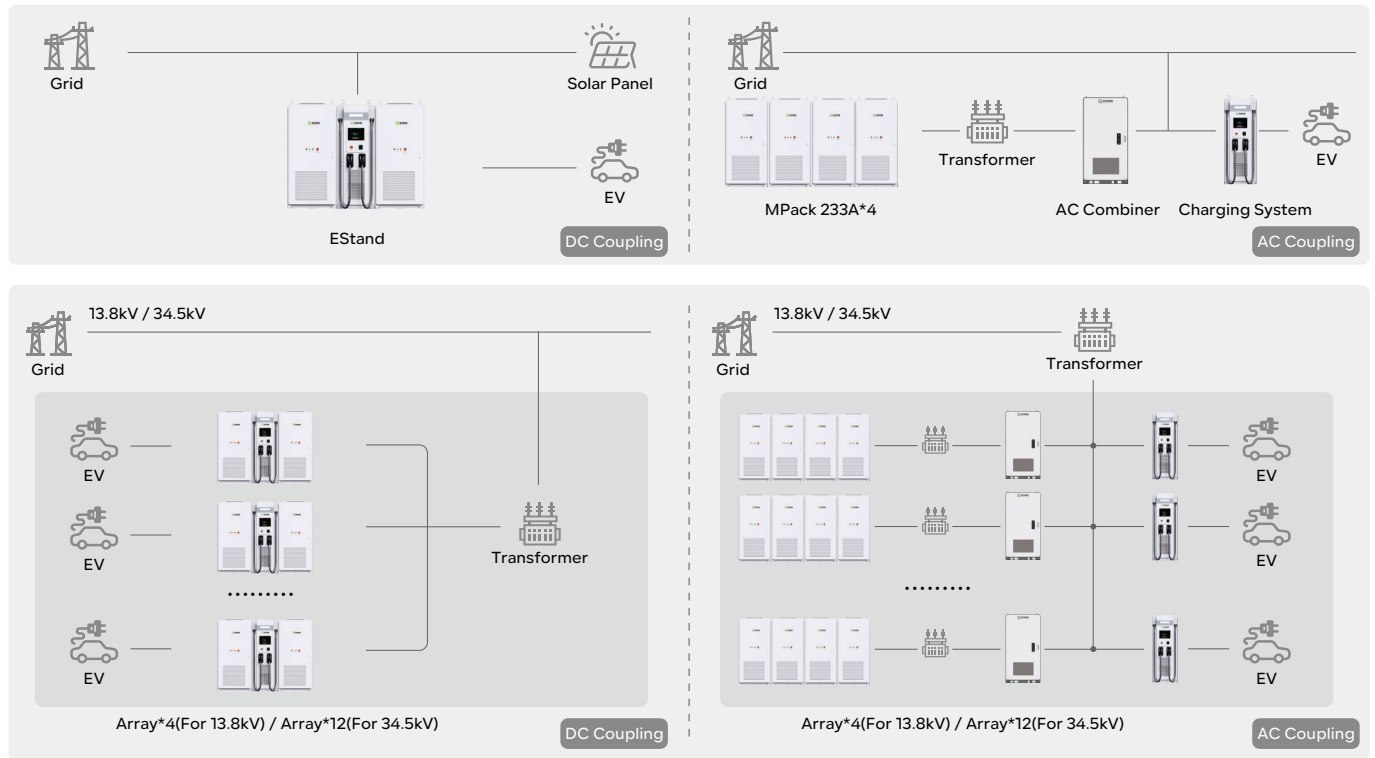
Packaging & Shipping Details



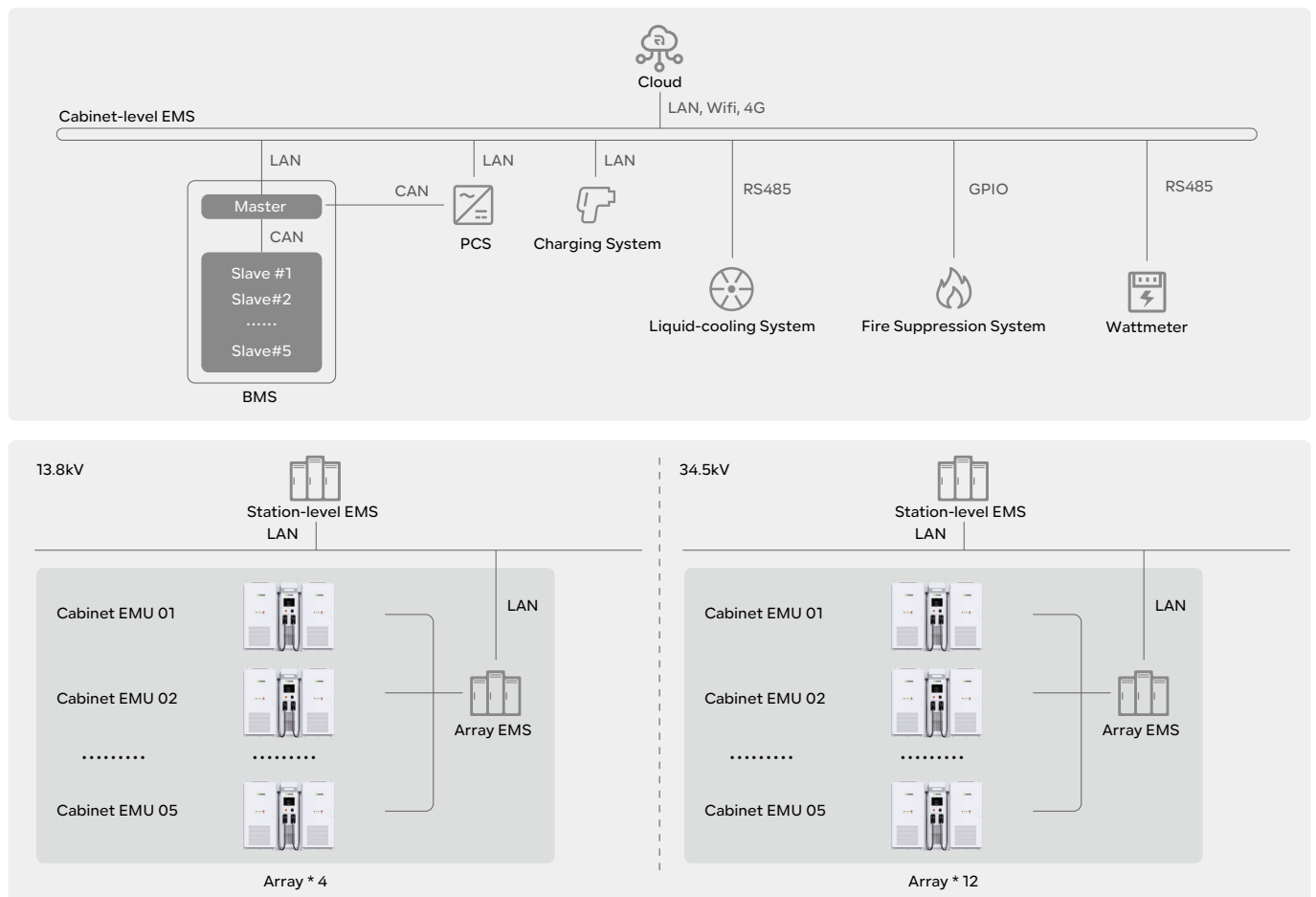
Product Topology(AC Coupling)



Single / Max. Parallel System Layout



Energy Management System(EMS) Structure



■ BESS Parameter

Battery Energy Storage		
Battery Capacity(kWh)	233	466
Battery Charge/Discharge Rate	≤0.5C	
Battery Efficiency	≤95%	
Battery Module IP Rating	IP54	
Battery Cooling System	Liquid-cooling	
Thermal Control Management	Aerosol Extinguishing	

AC Output		
Rated AC Output Power(kW)	125	250
Max. AC Output Power(kVA)	137.5	275
Rated Output Voltage(Vac)	480	
Output Voltage Range(Vac)	-15%~10%(Settable)	
Rated Grid Frequency(Hz)	60(Settable)	
Max. Output Current(A)	165.4	330.8
Adjustable Power Factor	>0.99	
THDi	<3%	

DC/DC		
Max. Charge/discharge Power (kW)	250	500
Voltage Range for Charge/discharge (Vdc)	761~923	
Max. Current (A)	320	576

* The charging power of the DC interface is related to the load power, battery SOC and temperature.The discharge power of the DC interface is related to the battery's state of charge

System Characteristic		
Communication Interface	CAN, RS485, WiFi, LTE	
Warranty	3 years free, paid from the 4th to the 15th year	
Certifications	CE(IEC 62619, IEC 62477)	

General Parameters		
Battery Model	R-ES233125C1-US	R-ES566250C1-US
Dimensions - W*D*H (mm)	~2184*1448*2319	~3277*1448*2319
Total Weight (kg)	3685 (±5)	6545 (±5)
Operation Altitude	≤2000m / 6561ft	
Noise Level @1m	<80 dB(A)	
IP Rating	IP54	
Operating Temperature (°C/°F)	-20~55/-4~131*	
Operating Humidity (RH)	0 to 95%, non-condensation	
Storage Conditions	-20~30°C/-4~86°F, Up to 95% RH, non-condensation, State of Energy (SoE): 50% initial	

* We can offer a wider range of temperatures if required, please speak to one of our sales colleagues.

DC Charging Station

General Parameters	
Rated Power (kW)	400
Peak Efficiency	≥97% (800Vdc input, 800Vdc output @ full load)
Input Voltage (Vdc)	650~962
Output Voltage (Vdc)	200~1000
Maximum Current per Connector (A)	400
Number of Charging Connectors	2 connectors (dual gun, CCS1 / NACS)
Cable Length	5 m
Cooling Method	Forced air cooling
Communication Protocol	OCPP 1.6J, supports Ethernet/LTE
User Authentication	RFID (ISO/IEC 14443A), POS terminal
Safety Protection	Input over/under voltage protection, output overcurrent protection, overtemperature protection short-circuit protection, surge protection, access control protection
Ingress Protection Rating	IP55 (system), IK08 (screen), IK10 (enclosure impact protection)
Operating Temperature	-30°C to 50°C (derating above 50°C)
Storage Temperature	-40°C to 75°C
Relative Humidity	5% – 95% (non-condensing)
Altitude	≤2000m
Noise	<80 dB (at 1 m)
Dimensions - W*D*H (mm)	950*1150*2400 (including cable management system)
Additional Features	Cable management system, fan PWM dynamic control, door-open safety button