

DC 20ft Container Energy Storage Battery

SCSContainer



High security

Adopting high-security lithium iron phosphate battery, built-in module level fire unit, to ensure the safe and reliable operation of the system.

Efficient equalization BMS technology

Adopt high-efficiency equalization technology to eliminate series loss and reduce the inconsistency between modules.

Support parallel expansion of capacity and power

The battery system has a built-in bi-directional DC/DC, which can realize parallel expansion of DC bus power and wider application scenarios.

Long life cycle

The battery cell has more than 8000 cycles and adopts a laser welding process, which ensures that the service life of the system can be more than 15 years.

Convenient installation

Integrated design, standardized product shipments, and product installation is extremely simplified, user-friendly deployment.

Convenient operation

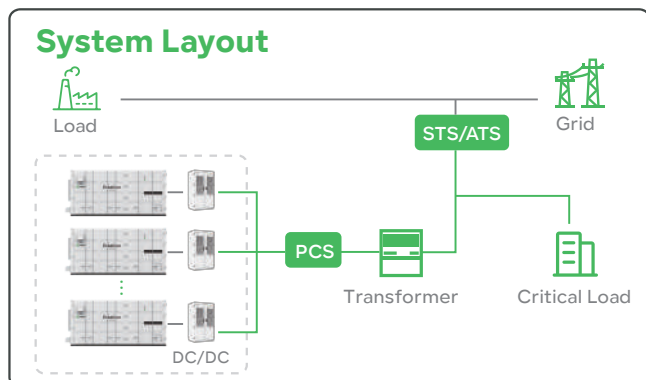
Adopting a fully modularized design, after-sales personnel can complete after-sales work by simply replacing the corresponding module. It can realize operation and maintenance from the local end to Renon Smart.

Battery Energy Storage

Cell Type	LFP 3.2V/280AH
Battery Module	1P20S
Module QTY	17S
Battery Rack	8S
Nominal Capacity	2437kWh(304.6kWh*8)
Total Voltage/Capacity(V)	1088
Max Voltage Range	996.2~1207
Max Charge/Discharge Current(A)	280
Charge/Discharge Rate	90% DoD
Service Life	>8000 cycles@80%DoD

DC/DC

Voltage Range(Vdc)	500~1500
Rated Voltage(Vdc)	1000
Max Current Range (A)	825
Rated Power (kW)	750
Maximum Output power (kW)	825@10S
Output efficiency	99%



General Parameters

Dimensions (W*D*H)	6052*2438*2896mm / 238*96*114in
Total Weight	27000kg / 59525lb
Cooling	Air Conditioner
Operation Altitude	2000m / 6561ft
Noise Level @1m	<75 dB(A)
IP Rating	IP54
Operating Temperature	-20°C to 55°C
Operating Humidity (RH)	0 to 95%
Storage Conditions	-20°C to 30°C Up to 95% RH, non-condensing State of Energy (SoE): 50% initial
Communication Interface	CAN, RS485, Wi-Fi, LTE
Warranty	3 years free, paid from the 4th to the 15th year
System Certifications	IEC62619/UN 38.3

