

AC 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.

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.

Battery Energy Storage

Cell Type	LFP 3.2V/280AH
Battery Module	1P20S
Module QTY	12S
Battery Rack	8S
Nominal Capacity	1720kWh(215kWh*8)
Total Voltage/Capacity(V)	768
Max Voltage Range(V)	703.2~852
Max Charge/Discharge Current(A)	280
Charge/Discharge Rate	90% DoD
Service Life	>8000 cycles@80%DoD

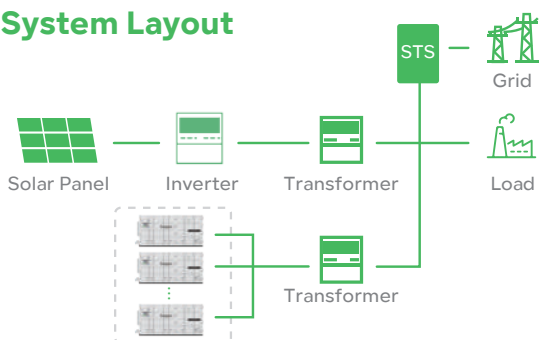
AC Output

Nominal AC Power(kW)	500
Nominal Grid Voltage(Vac)	380/400
Permissible Grid Voltage	±8%
Nominal Grid Frequency(Hz)	50/60

Off-Grid Output

AC Off Grid Voltage(Vac)	400
Voltage Range	±8%
AC Off Grid Frequency(Hz)	50/60

System Layout



General Parameters

Dimensions (W*D*H)	6052*2438*2896mm / 238*96*114in
Total Weight	19000kg / 41887lb
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

