

Residential ESS Series

HORIZON-14.3kWh  
LiFePO4 Lithium Battery

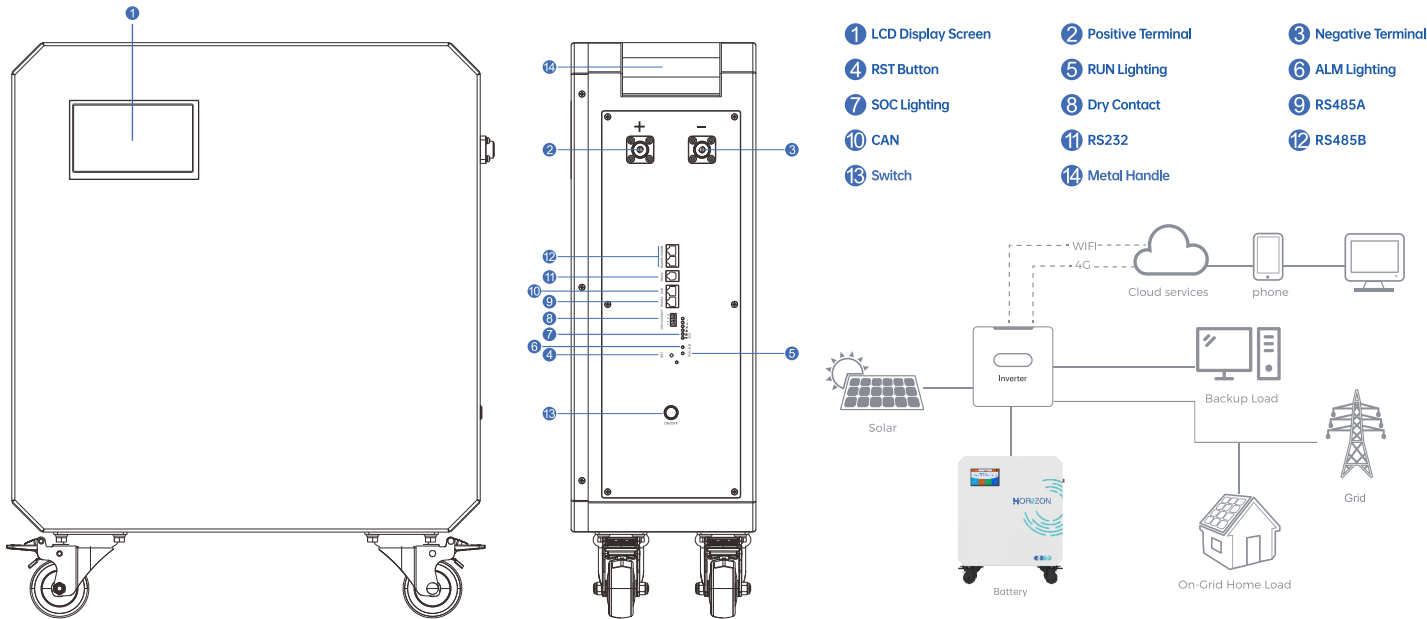
Wheel-Model



Product Features

- Delivers excellent safety, long lifespan, and stability with lithium iron phosphate technology.
- Extremely low self-discharge rate, ensuring long-term reliability and extended battery life.
- Intuitive interface for easy operation and real-time monitoring of battery status.
- Built-in Bluetooth and WiFi support remote monitoring and control, providing smart management anytime, anywhere.
- Wide Compatibility: Seamlessly integrates with most inverters on the market, supporting various applications.

Model	HORIZON-14.3kWh
Rated Voltage	51.2V
Rated Capacity	280Ah
Rated Energy	14.30kWh
Output Voltage Range	43.2V~58.4V
Charging Voltage	57.6~58.4V
Cut-off Voltage	43.2V
Max. Charging Current	200A
Recommended Charging Current	100A
Max.Discharging Current	200A
Efficiency	>98%
Dimension L*W*H ( mm )	633*606*239
Weight ( kg )	≈120
Humidity	5%~95% Relative humidity
Charging Temperature	0°C~55°C
Discharging Temperature	-20°C~60°C
Storage Temperature	-10°C~30°C
Cycle Life	>8000 times ( 0.2C, @25°C, 80%DOD )
Design Life	>10 years
Operating Mode	Touch Screen



Application scenarios



HORIZON ESS

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