

CENTRENER

STACKED BATTERY





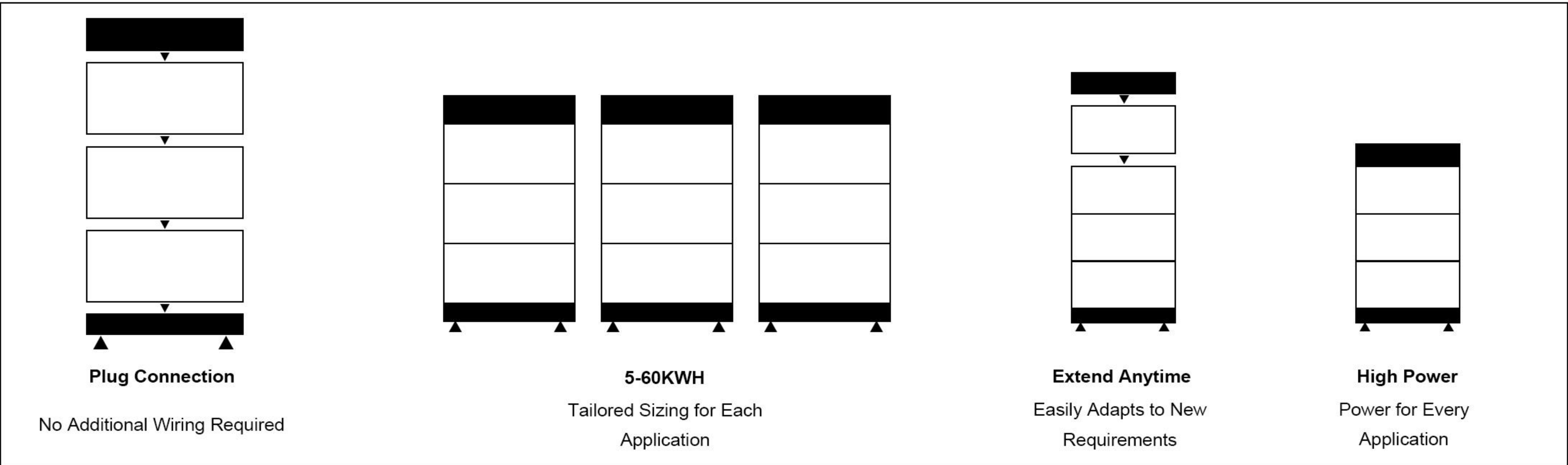
Item	Specification
Cell Model	Aluminum shell LiFePO4 Lithium ion cell
Array mode	16S1P
Nominal Capacity	300Ah(Standard 0.5C charge and 0.5C discharge)
Minimum Capacity	300Ah
Watt Hour	15360Wh
Nominal Voltage	51.2V
Initial AC Impedance	$\leq m\Omega$ (at 1kHz after standard charge)
Charging Voltage	58.4V
Discharging Voltage	40V
Standard charging method	Constant Current: 150A(0.5C)
Standard discharging method	Constant Current: 150A(1C)
Maximum continuous discharge current($\leq 2.3S$)	Constant Current: 400A(1.68C)
Cycle Life	Cycle life ≥ 6000 times
Weight (Kg)	About 140kg
Operating Temperature	Charging: $0^{\circ}\text{C}\sim 55^{\circ}\text{C}$ Discharging: $-20^{\circ}\text{C}\sim 60^{\circ}\text{C}$.
Storage Temperature	1 month: $-20^{\circ}\text{C}\sim 60^{\circ}\text{C}$ 3months: $-20^{\circ}\text{C}\sim 45^{\circ}\text{C}$ 1 year: $-20^{\circ}\text{C}\sim 25^{\circ}\text{C}$
Relative Humidity	$65\pm 20\%$

Cautions

- (1)Do not immerse the battery in water, and keep the battery in a cool dry surrounding if it stands by.
- (2)Do not use or leave the battery at high temperature as fire or heater. Otherwise, it can overheat or fire or its performance will be degenerate and its service life will be decreased.
- (3)Do not reverse the position and negative terminals.
- (4)Do not connect the battery electrodes to an electrical outlet.
- (5)Do not short circuit. Otherwise it will cause serious damage of the battery.
- (6)Do not transport or store the battery together with metal objects such as hairpins, necklaces, etc.
- (7)Do not use the battery in a location where static electricity and magnetic field is great, otherwise, the safety devices may be damaged, causing hidden trouble of safety.Turn off the switch on its base.
- (8)Please use special lithium charger.
- (9)It should be noted that the cell would be possible to be at a over-discharged state by its self-discharge characteristics in case the cell is not used for long time. In order to prevent over-discharging, the cell shall be charged periodically to maintain about 54V(Recommended 3 months one cycle).Over-discharging may causes loss of cell performance, characteristics, or battery functions.
- (10)Do not disassemble battery.

INTRODUCTION

The Stacked batteries Series is a high performance battery system with a compact design and easy installation. It is especially suitable for applications of limited installation space, long service life and harsh environments. Multiple battery stacks can be connected in parallel to expand capacity and meet higher power demands.



Compatible with inverter brands

CENTRENER battery BMS supports simultaneous communication and compatible with multiple inverter brands



FEATURES

- High Performance**
up to capacity 30kWh and power 15.36kW
- Modular Design**
expand capacity anytime and easily
- Wide Compatibility**
compatible with most of inverters in the market
- Smart Energy Management**
real time monitoring, and live communications
- Suitable for Outdoor Environment**
enclosure rating IP65
- 10 Years Warranty and Long Life**
6000times @90%DOD