

STACKED ENERGY STORAGE SYSTEM

ZC-S 51100



- All-in-one installation, plug and play any time
- High-density LiFePO4 battery, 6000 cycles life
- 2-5 units can be used in parallel
- High energy conversion rate
- DOD 80%, extend battery life



Stable Power Supply



Precise Management



High Utilization



Long Life Cycle

- Precise Battery Management Technology
- Wheel design, easy to move
- Noise less than 60 decibels
- 3-stage timing charging and discharging
- Quick and easy installation

Model

ZC-S 51100

Basic Information

Single Module Capacity	5.12kWh			
Module Number	1	2	3	4
Rated Capacity	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Nominal Voltage	51.2V			
Working Voltage	44V-58.4V			
Nominal Discharge Current	100A	200A	300A	400A
Nominal Charging Current	50A	100A	150A	200A
Cycle Life	6000 cycles (@80% DoD)			
Humidity	20%-60%			
Installation Method	Stacked mode			
Protection Rating	IP20			
Communication Protocol	CAN/RS485/RS232 (WIFI optional)			
Dimension(Battery+inverter+base)	440*600*500mm	440*600*700mm	440*600*900mm	440*600*1100mm
Gross/Net Weight (Battery Part)	53.5kg/49kg	107kg/98kg	160.5kg/147kg	214kg/196kg
Cell Type	LFP			
Battery Rated Input Voltage	48Vdc			
Hybrid Max. Charging Current	80A			
Battery Pack Voltage Range	40Vdc-60Vdc			

Model

KNY5000 (inverter)

Basic Information

Max. PV Open Circuit Voltage	500Vdc
PV Working Voltage Range	120V-500Vdc
MPPT Voltage Range	120V-450Vdc
Max. PV Input Current	22A
Max. PV Input Power	5500W
Max. PV Charging Current	80A
Gross/Net Weight (Inverter Part)	19.5kg/16.5kg

AC Parameters (Grid-connected Side)

Max. Charging Current	60A
Rated Input Voltage	220V/230Vac
Input Voltage Range	170Vac-280Vac
Frequency	50Hz/60Hz
Charging Efficiency (bypass and inverter)	>95%
Switching Time	10ms
Max. Bypass Overload Current	40A

AC Output (Grid-connected Side)

Output Voltage Waveform	Pure Sine Wave
Rated Output Voltage	230VAC±5%
Rated Output Power	5000W
Peak Power	10000VA