


# STACKABLE ENERGY STORAGE SYSTEM


Low Voltage Stackable ESS, With Inverter




 **Grade A**  
Brand New Battery Cell

 **8000Cycles**  
25°C @80% DOD

 **10 Years Warranty**  
Long Designed Spanlife

 **IP65**  
Water&Dust Protection

 **One Hour**  
Quick Charge

 **Remote Diagnosis**  
Software Upgrades

## MODEL S51100-LV

### Basic Information

Single Module Capacity	5.12kWh			
Module Number	1	2	3	4
Rated Capacity	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Nominal Discharge Current	100A	200A	300A	400A
Nominal Charging Current	50A	100A	150A	200A
Nominal Voltage	51.2V			
Working Voltage	44V-58.4V			
Cycle Life	8000Cycles (@80% DOD)			
Protection Rating	IP65			
Communication Protocol	CAN/RS485/RS232 (WiFi Optional)			
Battery Rated Input Voltage	48Vdc			
Hybrid Max. Charging Current	80A			
Battery Pack Voltage Range	40Vdc-60Vdc			
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

## MODEL INV5000 (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