



Sun Power Energy
Corporation

EVO-OLVP1-5K/5-30kWh

Home Off Grid Horizontal Integrated Energy Storage System



Integrated design, flat and stackable, no need for wiring, convenient and efficient installation



Remote control through display screens and apps



Four layers of system level protection, ensuring safety without blind spots, ensuring the safety of household electricity use



Leading intelligent design: intelligent loads for peak shaving and valley filling, etc



Single battery module 5kWh, expandable up to 36, with a maximum capacity of 180kWh



The battery pack can flexibly match any PCS

Technical Parameter

Model	EVO-OLVP1-5K/5-30kWh
Inverter Parameters	
Rated Ac Output Power (W)	5000
Maximum Output Current (A)	30
Ac Maximum Charging Power (W)	3150
Ac Charging Current Range (A)	0~60
Ac Rated Output Voltage (V)	220/230
Grid Frequency (Hz)	50
Pv Maximum Dc Input Power (W)	5000
Pv Dc Input Voltage Range (V)	120~500
Mppt Voltage Range (V)	120-450
Size (W*D*H,mm)	710*450*192
Automatic switching cycle (MS)	<15
Weight (kg)	27
Battery Module Parameters	
Battery Module Energy (kWh)	5.12
Cell Type	LiFePO4
Module Rated Voltage (V)	51.2
Working Voltage Range (V)	44.8~57.6
Battery Capacity (Ah)	100
Module Scalability	Each stack can stack up to 6 battery modules (30kWh), and can stack up to 6 battery stacks
Maximum Charging Current (A)	100
Maximum Discharge Current (A)	100
DOD	90%
Battery Module Weight (kg)	53
Battery Module Size (W*D*H,mm)	710*450*192
Number Of Cycles (Times)	≥8000
System Parameter	
Protection Grade	IP20
Cooling Method	Forced air cooling
Working Temperature Range	Charge: 0~45°C/Discharge: -10°C~45°C
Storage Temperature	-25°C~50°C
Working Humidity	5%~95%(No condensation)
Nominal Working Altitude	<2000m
Authentication	UN38.3、IEC61000、IEC6210901-1、IEC62109-2、IEC62619、IEC63056、IEC60730
Communicate	RS485/CAN/WIFI
Warranty	Battery for 10 years, Inverter for 5 years