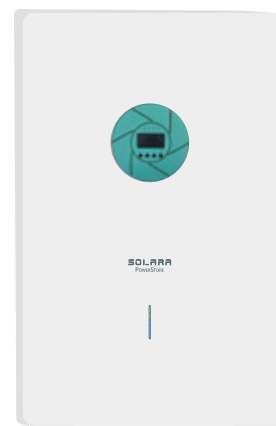


POWERSTORE SFE5548100A

All-in-One PV Energy Storage System

Specifications

- Pure sine wave output
- Using LiFePO4 battery pack, up to 6000 cycles at 25°C
- Integrated inverter and storage battery, built-in MPPT controller
- PV priority, mains priority or battery priority
- Supports off-grid single/paralleling and UPS working modes
- Grid-feed function is optional
- Battery capacity is flexible for expanding if necessary



Battery Parameters	
Battery Type	LifePO4
Rated Voltage(V)	51.2
Rated Capacity(Ah)	100
Rated Energy(Wh)	5120
Max. Operating Current(A)	100
Charge Voltage(V)	56
Discharge Cut-off Voltage(V)	46 (settable to 42V)
Charge Temperature	0°C- 50°C
Discharge Temperature	-15°C- 50°C
Storage Temperature	0 °C ~ 45 °C (less than 3 months)
Charging Current(A) (recommend)	50 (0.5C)
Max. Charging Current(A)	100 (1 min)
Maximum Continuous Discharge Current(A)	100
Maximum Discharge Current(A)	120 (1 min)
PV Input Data	
Max. Input Power(W)	6000 500
Max. Input Voltage(V)	120 ~
MPPT Operating Voltage Range(V)	500
Start-up Voltage(V)	150
Nominal Input Voltage(V)	300
Number of MPPT Trackers	1
Number of String per MPPT	1

AC Input Data

Max. Input Power(W)	9000
Input Voltage Range(V)	170~264 (UPS mode), 90~280 (APP mode)
Nominal Input Voltage(V)	208/220/230/240
Nominal Input Frequency (Hz)	50/60
Number of String per MPPT	1

AC Output Data

Rated Power(W)	5500 (5000W in paralleling)
Nominal Output Voltage(V)	208/220/230/240
Nominal Output Frequency (Hz)	50/60
Output THDv (@ Linear Load)	<3% (Pure Sine Wave)
Peak Power (W)	11000 (Overload 200%,0.2s)
Transfer Time	10ms(typical computer), 30ms(appliance)

Conversion Efficiency

Max. Efficiency	93.6%
MPPT Efficiency	99.9%

Protection

AC Overcurrent Protection	Integrated
AC Short Circuit Protection	Integrated
AC Over-voltage Protection	Integrated
Battery Protection	BMS&breaker (Over current protection at output)
Remote Shutdown	Integrated

Environmental/Ambient Conditions

Operating Temperature Range(°C)	-15 ~ 50°C (0°C- 50°C for charge)
Relative Humidity	0 ~95%
Installation Altitude above sea level	Up to 2000m above sea level
Cooling Method	Air Cooling

Mechanical Data

Product dimensions (W x D x Hmm)	610* 160*900mm
Net Weight (Kg)	<65
Protection Level	IP21
Installation Type	Floor-standing (Mount to wall)
Acoustic Noise (dB)	<60 (maximum)

Communications

Display	LCD, WLAN + APP
Monitoring Settings	Integrated data logger
Communication with BMS	CAN
Communication with Portal	WiFi