

Product Descriptions of Energy Storage System

MODEL	Energy Storage Systems		
	3KW	4KW	5KW
Max PV Array Power	4500W		
Rated Output Power	3000W	4000W	5000W
Maximum PV Array Open Circuit Voltage	500VDC		
MPPT Range @ Operating Voltage	120-450VDC		
MPPT Tracker Number	1		
GRID-TIE OPERATION			
GRID OUTPUT (AC)			
Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	184-264.5VAC		
Nominal Output Current	13A	17.4A	21.7A
Power Factor	>0.99		
EFFICIENCY			
Maximum Conversion Efficiency (DC/AC)	96%		
OFF-GRID, HYBRID OPERATION			
GRID INPUT			
Acceptable Input Voltage Range	90-280VAC or 170-280 VAC		
Frequency Range	50Hz/60Hz (Auto sensing)		
Maximum AC Input Current	40A		
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	220/230/240VAC		
Output Wave Form	Pure sine wave		
Efficiency (DC to AC)	93%		
BATTERY & CHARGER			
Nominal DC Voltage	48VDC		
Maximum Solar Charge Current	80A		
Maximum AC Charge Current	60A		
Maximum Charge Current	80A		
GENERAL			
INTERFACE			
Parallel Function	Yes		
Communication	USB or RS232/Dry-Contact		
ENVIRONMENT			
Humidity	0~90% RH (No Condensing)		
Operating Temperature	0 to 50 °C		

Key Features:

1. Touch screen display.
2. PV and utility power take the load at same time(can setting).
3. Output power factor PF=1.0.
4. On-grid with energy storage.
5. Energy generated record, load record, history information and fault record.
6. Language and time setting.
7. Structure with dust filter.
8. AC charging and AC output time setting.
9. Charging voltage and charging current timing.
10. External wi-fi device optional.
11. Parallel operation with up to 6 units only available for 3KVA/4KVA/5KVA.
12. Smart battery charger design.
13. Connected with battery optional.
14. Wide PV input range.