

PSHi8000W#48VPVD

Features:

- Colorful touch LCD, IP65 protection degree
- 6 time periods for battery charging/discharging
- Max. charging/discharging current of 190A
- Frequency droop control, Max.16pcs parallel
- DC couple and AC couple to retrofit existing solar system
- Support storing energy from diesel generator



Technical Specifications

Model	PSHi8000W#48VPVD
Battery Input Data	
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range (V)	40~60
Max. Charging Current (A)	190
Max. Discharging Current (A)	190
Charging Curve	3 Stages / Equalization
External Temperature Sensor	Yes
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
PV String Input Data	
Max. DC Input Power (W)	10400
PV Input Voltage (V)	370 (100~500)
MPPT Range (V)	125-425
Start-up Voltage (V)	150
PV Input Current (A)	22+22
Max. PV ISC (A)	28+28
No.of MPPT Trackers	2
No.of Strings Per MPPT Tracker	2+2
AC Output Data	
Rated AC Output and UPS Power (W)	8000
Max. AC Output Power (W)	8800
Peak Power (off grid)	2 times of rated power, 10 S
AC Output Rated Current (A)	33.4 / 35
Max. AC Current (A)	36.7 / 38.5
Max. Continuous AC Passthrough (A)	50
Output Frequency and Voltage	50 / 60Hz; 120 / 240Vac (split phase), 208Vac (2 / 3 phase), 230Vac (single phase)
Grid Type	Split phase; 2 / 3 phase; Single Phase
Current Harmonic Distortion	THD<3% (Linear load<1.5%)
Efficiency	
Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%
Protection	
PV Input Lightning Protection	Integrated
Anti-islanding Protection	Integrated
PV String Input Reverse Polarity Protection	Integrated
Insulation Resistor Detection	Integrated
Residual Current Monitoring Unit	Integrated
Output Over Current Protection	Integrated
Output Shorted Protection	Integrated
Output Over Voltage Protection	Integrated
Surge protection	DC Type II / AC Type II
General Data	
Operating Temperature Range (°C)	-25~60°C, >45 °C Derating
Cooling	Smart cooling
Noise (dB)	<30 dB
Communication with BMS	RS485; CAN
Weight (kg)	32
Size (mm)	420W×670H×233D
Protection Degree	IP65
Installation Style	Wall-mounted