Hybrid Solar Inverter

8.2KW/10.2KW AC Output

- On-grid and off-grid pure sine wave inverter.
- 90~500Vdc wide voltage range for PV access.
- Max. solar input power up to 10200W.
- Higher output power up to 10200W.
- Compatible with 48V lithium-ion and lead-acid battery.
- Max. charging current can reach 180Amp.
- Maximum grid-tie conversion efficiency of 98%.
- Effective forced air cooling, with air speed adjustable.

Inverter Model	POW-HVM8.2M	POW-HVM10.2M
AC Input		
Input Voltage Waveform	Sinusoidal (Utility or generator)	
Nominal Input Voltage	230Vac	
Max. AC Input Voltage	300Vac	
Nominal Input Frequency	50/60Hz (Auto detection)	
AC Output (Back-Up)		
Rated Output Power	8.2KW	10.2KW
Output Voltage Regulation	230Vac±5% Single phase	
Output Frequency	50Hz	
Peak Efficiency	93%	
No Load Power Consumption	70W	75W
Battery Specification		
Battery Type	Lithium and Lead Acid Battery, support user define	
System Voltage	48V	
AC Charge & PV Charge Mode		
Max. AC Charging Current	140Amp	160Amp
Max. PV Array Power	8200W	10200W
PV MPPT Voltage Range	90~500Vdc	
Max. PV Array Open Circuit Voltage	500Vdc	
Max. Charging Current (AC+PV)	160Amp	180Amp
AC Output (On-Grid)		
Nominal Output Voltage	220/230/240Vac	
Feed-in Grid Voltage	195~253Vac	
Feed-in Grid Frequency	49~51±1Hz/59~61±1Hz	
Nominal Output Current	35.6A	44.3A
General Specification		
Operation Temperature	-10°C ~50°C	
Communication Interface	RS232 (WiFi/Remove LCD communication)	
Dimension	537x390x130mm	
Net Weight	14.2kg	14.5kg