

Pure Sine Wave Inverter

HP10 Series



FEATURES

- Delivers clean pure sine wave output for sensitive electronics.
- Supports a wide PV input range from 55 to 450 VDC.
- Fully compatible with lithium-ion battery systems.
- Allows programmable power priority between PV, battery, or grid.
- Integrated 110A MPPT solar charger handles up to 6.2kW input.
- Supports direct BMS communication with compatible lithium batteries.

- Optimizes charging to extend overall battery lifespan.
- Enables startup from battery power without grid or solar input.
- Optional anti-dust kit ensures durability in harsh environments.
- Protects against overload, overheating, and output short circuits.
- Fan speed adjusts intelligently to balance cooling and noise.
- Offers Wi-Fi and GPRS monitoring via iOS and Android apps.

MODEL	2500VA	3500VA	4500VA	4500VA	7500VA
INPUT					
Voltage	230VAC				
Selectable Voltage Range	170~280VAC(For Personal Computers) 90~280VAC(For Home Appliances)				
Frequency Range	50 Hz/60Hz(Auto sensing)				
OUTPUT					
AC Voltage Regulation(Batt.Mode)	230VAC±5%				
Surge Power	4000VA	6400VA	8400VA	8400VA	14000VA
Transfer Time	10ms(for personal computers);20ms(for home appliances)				
Waveform	Pure Sine Wave				
BATTERY &AC CHARGER					
Battery Voltage	12VDC	24VDC	24VDC	48VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	54VDC	54VDC
Overcharge Protection	15.5VDC	31VDC	31VDC	61VDC	61VDC
Maximum Charge Current	60A		80A	60A	80A
SOLAR CHARGER					
Max.PV Array Power	2000W	3000W	6000W		
MPPT Range @Operating Voltage	55~450VDC				
Maximum PV Array Open Circuit Voltage	450VDC				
Maximum Charging Current	80A		110A	80A	110A
Maximum Efficiency	98%				
PHYSICAL					
Dimension.H*W*D(mm)	405*286*98		423*290*101		423*290*106
Net Weight(kgs)	5	5.5	6.8	6.9	8
Communication Interface	Two communication One RS485 port for BMS ports;AnotherRS485/RS232 for remote monitoring				
OPERATING ENVIRONMENT					
Humidity	5%to 95%Relative Humidity(Non~condensing)				
Operating Temperature	-10℃ to 55℃				
Storage Temperature	-15℃ to 60℃				