

MPPT SOLAR INVERTER

HZS PRO 1.2KW-12

Hzsolar


Built-in 50A
Solar Charger


PV Input Voltage
Range 17-115V


Pure Sine Wave

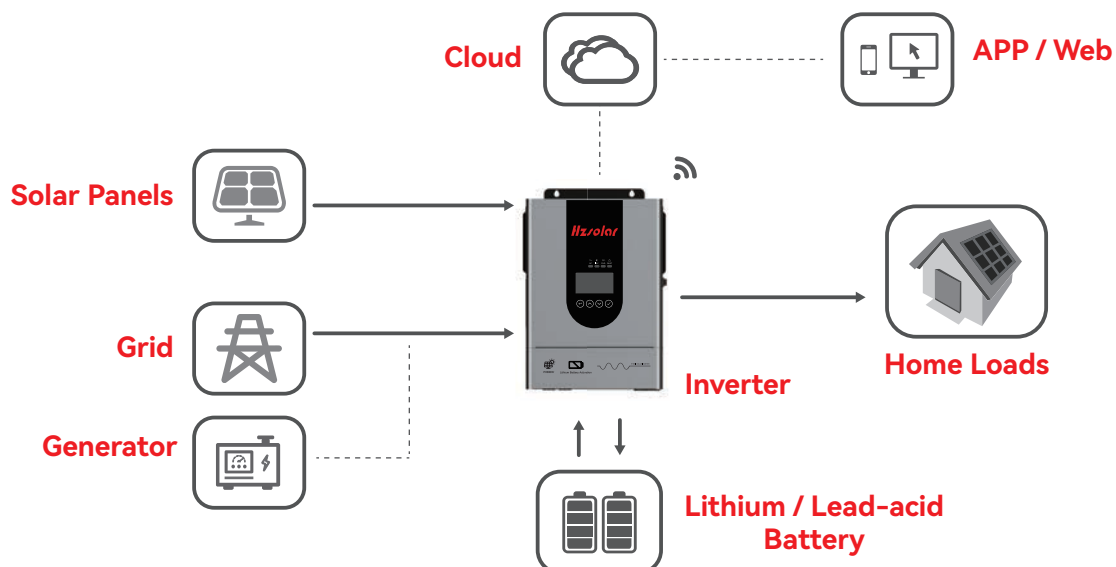

Lithium Battery
Activation

PF
Power Factor 1.0


Detachable
Dust Cover



System Diagram



SPECIFICATIONS



Model	HZS PRO 1.2KW-12
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280 (APP/GEN mode); 170~264 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity (kVA/kW)	1.2
Surge Power (kVA)	2.4
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency (Hz)	50 / 60
Switch Time (ms)	10 (APP/UPS/GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	1min@102%-120% load, 10s@120%-200% load
Max. Efficiency (Battery Mode)	90%@12VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max. PV input Current (A) / Input Power (W)	18 / 800
MPPT Range@Operating Voltage (VDC)	17 - 115
Max. PV Open Circuit Voltage (VDC)	115
Max. PV Charge Current (A)	50
Max. AC Charge Current (A)	50
Max. Charge Current (PV + AC) (A)	100
Battery	
Rated Voltage (VDC)	12
Max. Charging Current (A)	100
Max. Discharging Current (A)	110
Battery Type	Lithium / Lead-acid
Interface	
HMI	LCD
Interface	RS485 / CAN / RS232
Monitoring	WiFi (optional)
General Data	
Ingress Protection	IP21
Operating Temperature (°C)	-10 ~ 60
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature (°C)	-15 ~ 60
Net Weight (kg)	3.5
Dimensions (H*W*D) (mm)	301*217*97 (without bracket)
Max. Operating Altitude (m)	4000 (Derating above 2000)