

HYBRID SOLAR INVERTER

HZS PRO 6.5KW-48

Hzsolar



Built-in 120A
Solar Charger



Wide PV Input Voltage
Range 60-500V



27A
MAX PV Input

BMS

Support Lithium/
Lead-acid Battery



Lithium Battery
Activation



Feed-in
to Grid



PV1000W



Feed-in to Grid

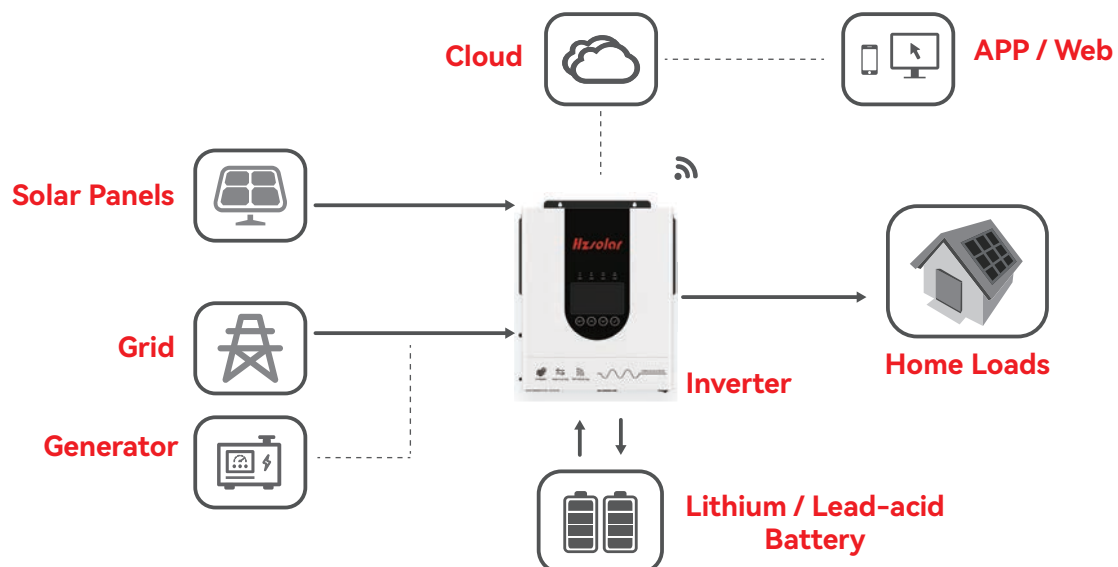


WiFi Monitoring



HYBRID SOLAR INVERTER

System Diagram



SPECIFICATIONS



Model	HZS PRO 6.5KW-48
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)	6.5
Surge Power (kVA)	12
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency (Hz)	50 / 60
Switch Time (ms)	10 (APP/UPS mode) / 20 (GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	1min@102%-120% load, 10s@ 120%-200% load
Max. Efficiency (Battery Mode)	94%@48VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max. PV input Current (A) / Input Power (W)	27 / 9000
MPPT Range@Operating Voltage (VDC)	60 - 450
Max. PV Open Circuit Voltage (VDC)	500
Max. PV Charge Current (A)	120
Max. AC Charge Current (A)	120
Max. Charge Current (PV + AC) (A)	120
Battery	
Rated Voltage (VDC)	48
Max. Charging Current (A)	120
Max. Discharging Current (A)	140
Battery Type	Lithium / Lead-acid
Interface	
HMI	5 inch 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)	8.4
Dimensions (H*W*D) (mm)	410*336*110 (without bracket)
Max. Operating Altitude (m)	4000 (Derating above 2000)