

Hybrid Solar Inverter



SYP2.5KW-12V



Built-in 100A
Solar Charger



Wide PV Input Voltage
Range 30-400V



Feed-in
to Grid



Support Lithium/
Lead-acid Battery



Lithium Battery
Activation

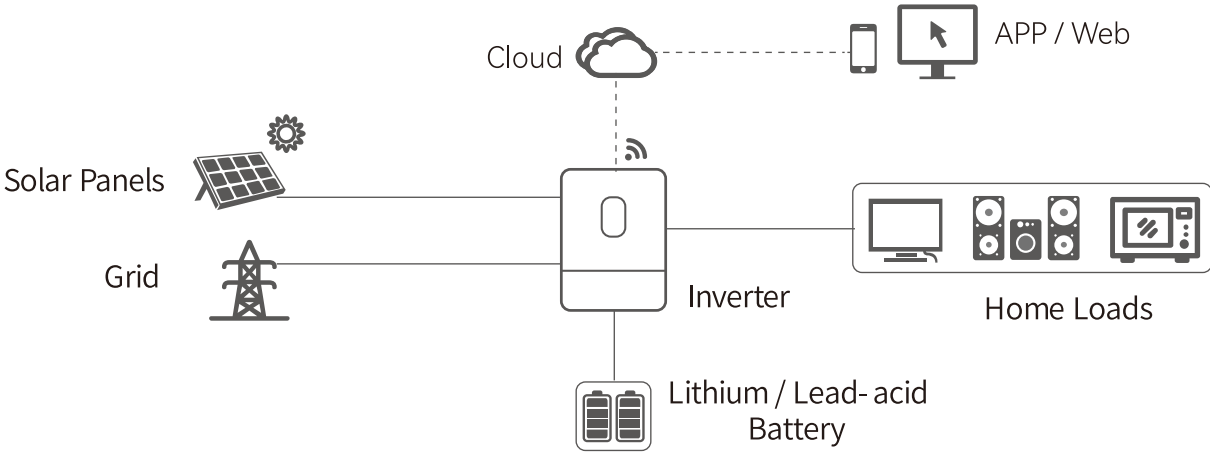


Detachable
Dust Cover



WiFi
Monitoring(optional)

System Diagram



Specifications

Model	SYP2.5KW-12V
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)	2.5
Surge Power (kVA)	4
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 (PV+Battery mode / PV mode)	long term@102%-125% load; 10s@125%-250% load
Max. Efficiency (Battery Mode)	91%@12VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max. PV input Current (A) / Input Power (W)	18 / 3000
MPPT Range@Operating Voltage (VDC)	30 - 400
Max. PV Open Circuit Voltage (VDC)	450
Max. PV Charge Current (A)	100
Max. AC Charge Current (A)	100
Max. Charge Current (PV + AC) (A)	100
Battery	
Rated Voltage (VDC)	12
Max. Charging Current (A)	100
Max. Discharging Current (A)	150
Battery Type	Lithium / Lead-acid
Interface	
HMI	LCD
Interface	NA
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)	4.0
Gross Weight(kg)	4.5
Dimensions (H*W*D) (mm)	375x290x100
Max. Operating Altitude (m)	4000 (Derating above 1000)