



Single Phase 5kW-48V Hybrid Storage Inverter



Built-in 80A Solar Charger



Wide PV Input Voltage Range 120-500V



Workable with Generator



Dual AC Out



9 Inverters in Parallel



Support Lithium/Lead-acid Battery



Lithium Battery Activation



Wi-Fi Monitoring (Optional)

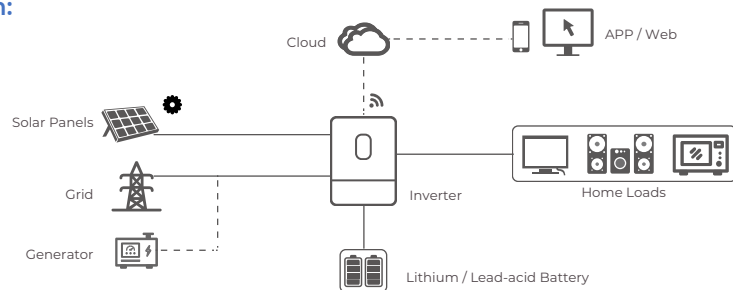


Detachable Dust Cover



Feed-in to Grid

System Diagram:



Model	FH-5000S-48V
AC Input	
Rated Input Voltage (VAC)	208/220/230/240; L+N+PE
Voltage Range (VAC)	90-280±3 (normal mode); 170-280±3 (UPS mode)
Frequency (Hz)	50/60 (Auto Adaptive)
AC Output	
Rated Capacity (kW)	5
Surge Power (kVA)	10
Voltage (VAC)	208/220/230/240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	60s@102%~110% load; 10s@110%~130% load; 3s@130%~150% load; 0.2s@>150%load
Max. Efficiency (Battery Mode)	93%@48VDC
Parallel Quantity	9
Charger (PV /AC)	
Solar Charger Type	MPPT
Max. PV Input Current / Power	18A/6000W
MPPT Range @Operating Voltage (VDC)	120-450
Max. PV Open Circuit Voltage (VDC)	500
Max. PV Charge Current (A)	80A
Max. AC Charge Current (A)	80A
Max. Charge Current (PV + AC) (A)	80A
Battery	
Rated Voltage (VDC)	48
Battery Type	Lithium and Lead-acid
Interface	
HMI	LCD
Interface	RS485 /RS232/USB /Dry Contact
Monitoring	WiFi (optional)
General Data	
Ingress Protection	IP21
Operating Temperature	-10°C~60°C
Relative Humidity	5%~ 95%(Non- condensing)
Storage Temperature	-15°C~60°C
Net Weight (kg)	9.7
Dimensions (W*H*D)	510*306*140mm
Max. Operating Altitude	4000m (Derating above 1000m)

* The AC voltage and frequency range can differ according to the grid standards of each country.

* Please note that all specifications are subject to change without prior notice.

