

Hybrid Inverter (Off-Grid)



Model	FH-8500	FH-11000
Capacity	8.5KVA/8.5kW	11KVA/11kW
Maximum PV Input Power	10kW	11kW
Parallel Capability	NO	NO
Lithium Battery Activation	YES(By PV or Utility)	
Lithium Battery Communication	YES(RS485)	
Input		
Nominal Voltage	230VAC	
Acceptable Voltage Range	170-280VAC(PC); 110-280VAC(Home)	
Frequency	50/60 Hz(Adaptive)	
Output		
Nominal Voltage	220/230/240VAC	
Surge Power	17000VA	22000VA
Frequency	50/60 Hz	
Waveform	Pure Sine wave	
Transfer Time	10ms(PC); 20ms(Home)	
Peak Efficiency	94%	
Overload Protection	270@ ≥ 101%~109% load; 85@ ≥ 110%~140% load; 35@ ≥ 150% load	
Grid-tie Operation	Yes	
Battery		
Battery Voltage	48VDC	48VDC
Maximum Discharge Current	180A	220A
Floating Charge Voltage	54VDC	54VDC
OverCharge Protection	63VDC	63VDC
Charging Method	CC/CV	
Solar Charger & AC Charger		
Solar Charger Type	MPPT	MPPT
Max.PV Array Power	5000W*2	5500W*2
Max.PV Array Open Circuit Voltage	500VDC	500VDC
PV Array MPPT Voltage Range	60VDC~450VDC	60VDC~450VDC
Max.Solar Input Current	18A*2	18A*2
Max.Solar Charge Current	140A	160A
Max.AC Charge Current	120A	120A
Max.Charge Current	140A	160A
General Data		
Dimensions, D×W×H (mm)	540*415*122	540*415*122
Net Weight (kg)	14	15
Communication Interface	RS485/DRY CONTACT	
LCD	YES	
Environment		
Operating Temperature Range	-10°C ~ +50°C	
Storage Temperature	-15°C ~ +50°C	
Humidity	5%~95% Relative Humidity (Non-condensing)	

*Images for reference only, please refer to the actual product photos corresponding to your order.

*Specifications are subject to change without prior notice; please refer to the specifications in your actual order.