

ALL-IN-ONE HYBRID INVERTER

All Series 12KW



Double output



Lithium battery activation function



Double input



Household



PF=1.0



PV 60-500Vdc



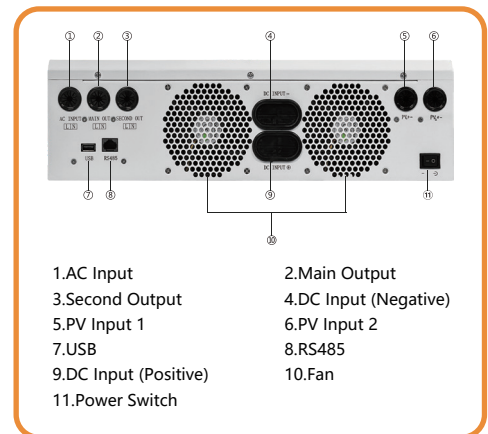
Pure sine wave



RS232 RS485

Product Features

- Dual AC output
- Built-in 2 MPPT
- Lithium battery activation function by PV or Utility
- Compatible workwith LiFePO4 battery via RS485
- Pure Sine Wave
- Power factor 1.0
- PV input 500Vdc Max
- Built-in MPPT 140A/160A
- Capable to work without battery
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional
- Support multiple output priority: SUB,SBU,SUF
- EQ function to optimize battery performance and extend lifecycle



Parameter

Model		All 4812000
Capacity	12KVA /12KW	
Maximum PV Input Power	12KW	
Twin AC Output Function	Yes	
Maximum Main Output Power	12KVA /12KW	
Maximum Second Output Power	6KVA / 6KW	
Maximum Total Output Power	12KVA / 12KW	
Parallel Capability	No	
Lithium Battery Communication	Yes (RS485)	
Lithium Battery Activation	YES(By PV or Utility)	
Built-in WIFI	Optional	
Input		
Nominal Voltage	220-240VAC	
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)	
Frequency	50 / 60 Hz (Auto sensing)	
Output		
Nominal Voltage	220 / 230 / 240VAC	
Surge Power	22000VA	
Frequency	50 / 60 Hz	
Waveform	Pure Sine Wave	
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)	
Peak Efficiency (PV to INV)	96%	
Peak Efficiency (Battery to INV)	93%	
Overload Protection	5s@>=140% load; 10s@110%~140% load	
Crest Factor	3:1	
Admissible Power Factor	0.6~1 (inductive or capacitive)	
Battery		
Battery Voltage	40-60VAC	
Maximum Discharge Current	220A	
Floating Charge Voltage	54VDC	
OverCharge Protection	63VDC	
Charging Method	CC / CV	
Solar Charger & AC Charger		
Solar Charger TYPE	MPPT	
Max.PV Array Power	7500W*2	
Max. PV Array Open Circuit Voltage	500VDC	
PV Array MPPT Voltage Range	60VDC~500VDC	
Max. Solar Input Current	22.5A*2	
Max. Solar Charge Current	160A	
Max. AC Charge Current	120A	
Max. Charge Current	160A	
Physical		
Dimensions, length x width x height (mm)	500*430*130(Carton)	
Gross weight (Kgs)	14.5	
Communication interface	RS232 / RS485 / Dry Contact	
LCD	Yes	
Application Environment		
Operating Temperature Range	-10°C to 55°C	
Storage temperature	-15°C~ 60°C	
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Ingress Protection	IP21	

Product specifications are subject to change without further notice.