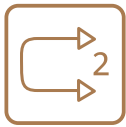


ALL-IN-ONE HYBRID INVERTER

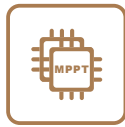
All Series 12KW (Pro)



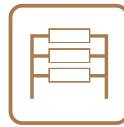
Double Output



Lithium battery activation function



Double Input



Support Parallel



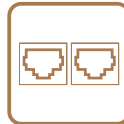
PF=1.0



PV 60-500Vdc



Pure Sine Wave



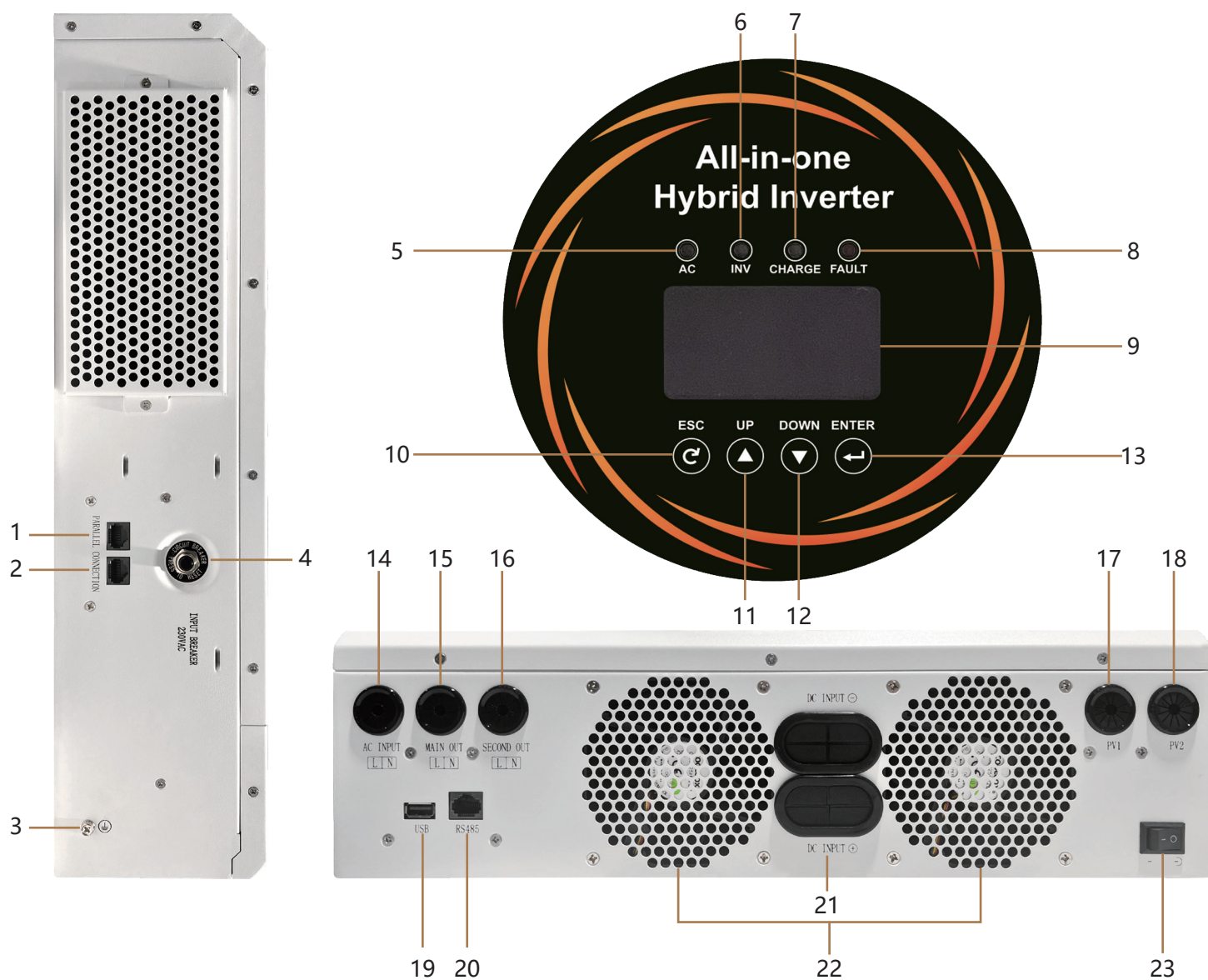
RS232 RS485



Features

- Dual AC output
- Built-in 2 MPPT
- Support Parallel
- Lithium battery activation function by PV or Utility
- Compatible work with 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

Description



1	Parallel Interface	2	Connection Interface	3	Load
4	Circuit Breaker	5	AC Indicator Light	6	INV Indicator Light
7	Charge Indicator Light	8	Fault Indicator Light	9	LCD Display
10	ESC Button	11	UP Button	12	DOWN Button
13	ENTER Button	14	AC Input	15	Main Output
16	Second Output	17	PV Input Positive Pole	18	PV Input Negative Pole
19	USB	20	RS485	21	DC Input
22	Fan	23	ON / OFF		

Parameter

Model	All 4812000 Pro
Capacity	12KVA /12KW
Maximum PV Input Power	15KW
Twin AC Output Function	Yes
Maximum Main Output Power	12KVA /12KW
Maximum Total Output Power	12KVA / 12KW
Parallel Mode	Yes
Lithium Battery Communication	Yes (RS485)
Lithium Battery Activation	YES(By PV or Utility)
Built-in WIFI	Optional
Input	
Nominal Voltage	230VAC
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)	99%
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	48VDC
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	Single 9000W Dual 7500W*2
Max. PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60VDC~500VDC
Max. Solar Input Current	27A*2
Max. Solar Charge Current	160A
Max. AC Charge Current	160A
Max. Charge Current PV+AC	160A
Physical	
Dimensions, length x width x height (mm)	517*425*122
Net weight (Kgs)	16.2
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.

Dimensions

