

Hybrid Inverter 8 | 10 | 12 kW



- Supports both off-grid and on-grid connections.
- Works with lithium-ion and lead-acid batteries.
- Rated AC output power: 8 kW to 12 kW.
- 2 MPPT strings, max PV power 10kWp to 15kWp.
- Compatible with both AC and DC solar systems.
- Built-in ATS for automatic grid and generator switching.
- Supports up to 9 units in parallel (battery required).
- Dual AC outputs.
- External CT for zero export to the grid.
- LCD display for real-time system checking.
- Overload, short circuit, and over-temperature protection.

Model	PH-1P8K	PH-1P10K	PH-1P12K
BATTERY DATA			
Battery Type	Lead-acid or Lithium-ion		
Voltage Range[V]	38.4 - 60	38.4 - 60	38.4 - 60
Max. Charging / Discharging Current [A]	190 / 200	220 / 240	250 / 280
Max. Charging / Discharging Power [W]	8000	1000	12000
PV DATA			
Max. PV Power[W]	5000 + 5000	6250 + 6250	7500 + 7500
Max. PV Input Voltage[V]	550	550	550
Start-up Voltage[V]	80	80	120
Rated PV Input Voltage[V]	380	380	380
MPPT Voltage Range[V]	60 - 480	60 - 480	60 - 480
Max. PV Input Current[A]	27+27	27+27	27+27
No. of MPP Trackers	2	2	2
No. of Strings MPP Tracker	1+1	1+1	1+1
AC DATA			
Rated AC Power[W]	8000	10000	12000
Surge Power[W]	16000	20000	24000
Max. AC Input / Output Current[A]	70 / 43.5	70 / 54.4	70 / 65.2
Rated Voltage Frequency	230Vac, 50/60Hz		
Power Factor	1		
Switching Time	<20ms		
Connection	Single Phase		
EFFICIENCY			
Max. Efficiency	96.5%		
MPPT Efficiency	99%		
GENWRAL DATA			
Operating Temperature Range[°C]	0~50		
Cooling Concept	Fan Cooling		
Monitoring Option	USB/WIFI/4G (optional)		
Display	LCD & LED		
Communication with BMS	RS485 / CAN		
Weight[kg]	23		
Dimension[mm]	550*487*155		
IP Rating	IP20		
Topology	Non-isolated		
Warranty	5 Years		

*The product datasheet can be changed without further notice.