

OPIN Series

OPIN Series MPPT OFF-Grid INVERTER

OPIN 4000/6000

KEY FEATURES

- Build-in AC Charger
- Generator Compatible
- Cold Start Function
- Reserve BMS Communication
- Priority Setting of Power Source (PV/Utility/Battery)
- Build in Anti-Dust Kit
- Built-in MPPT Solar Charger Up to 8000W for 6K Model
- Optional Parallel Operation Up to 9 Units



Specification:

Model Name	OPIN 4000	OPIN 6000
Rated Power	4000VA/4000W	6000VA/6000W
Input		
Nominal Voltage	230Vac	
Selectable Voltage Range	170-280Vac(For Personal Computers), 90-280Vac (For Home Appliances)	
Frequency	50/60Hz (Auto sensing)	
Output		
Nominal Voltage(Batt.mode)	230Vac \pm 5%	
Frequency Range(Batt.mode)	50/60Hz \pm 1%	
THDv	\leq 3% @ linear load, \leq 8% @ non-linear load	
Surge Power	8000VA	12000VA
Efficiency (Peak)	Line mode 93%, Battery mode 90%	
Transfer Time	8 ms (For Personal Computers), 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
Battery		
Battery Voltage (DC)	24Vdc	48Vdc
Floating Charge Voltage (DC)	27Vdc	54Vdc
Overcharge Protection (DC)	33Vdc	66Vdc
Charger (PV & AC)		
Solar Charger Type	MPPT	
Max. PV Array Power	5000W	8000W
MPPT Range @ Operating Voltage	120-450Vdc	
Max. PV Array Open Circuit Voltage	500Vdc	
Max. Solar Charge Current	120A	
Max. AC Charge Current	100A	
Max. Charge Current	120A	
Indicators		
Display	LCD&LED	
Interface		
RS232 (for IAP)	Yes	
CAN (for BMS)	Yes	
Dry contact	Yes	
WiFi	Optional	
Management		
Parallel Capability	Optional (Up to 9 units)	
Anti-dust	Yes	
Physical		
Dimension (W x H x D)(mm)	413 x 300 x 115	
Net Weight (kg)	8.5	9.5
Environment		
Operating Humidity	5-95 % non-condensing	
Operating Temperature	0-55°C	
Storage Temperature	-15°C to 60°C	