

Infiknight Solar Inverter Series

- Simulated sine wave inverter
- Built-in 50A MPPT solar charger
- Selectable output source priority via LCD setting
- Wide input voltage range: 90-280 VAC
- Overload and short circuit protection
- Combines LCD display and LED indicator for comprehensive information



Specifications

MODEL	Infiknight 1.2K	Infiknight 2.4K
CAPACITY	1200VA / 900W	2400VA / 1600W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	90-280 VAC or 170-280 VAC	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 10%	
Overload Capability	Load >110% \pm 15%, alarm 5 minutes and then inverter fault If decreasing the load until lower than 100%, the overload alarm can release. Load >130% \pm 15%, inverter fault immediately.	
Efficiency (Peak)	82%	85%
Transfer Time	20 ms	
Waveform	Simulated Sine Wave	
BATTERY		
Battery Voltage	12 VDC	24 VDC
Floating Charge Voltage	13.7 VDC \pm 0.5 VDC	27.4 VDC \pm 0.5 VDC
Overcharge Protection	15.0VDC \pm 0.5 VDC	30.0VDC \pm 1 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	MPPT
Maximum PV Array Open Circuit Voltage	100 VDC	100 VDC
Maximum PV Array Power	600 W	1200 W
MPP Range @ Operating Voltage	15 ~ 80 VDC	30 ~ 80 VDC
Maximum Solar Charge Current	50A	50A
Maximum AC Charge Current	10A /20A	10A/20A
Maximum Charge Current	50A	50A
PHYSICAL		
Dimension, D X W X H (mm)	282 x 212 x 127	
Net Weight (kgs)	4.5	4.8
OPERATING ENVIRONMENT		
Humidity	0 to 90% Relative Humidity (Non-condensing)	
Operating Temperature	0 °C to 40 °C	
Storage Temperature	-15 °C to 50 °C	

Product specifications are subject to change without further notice.