

InfiniSolar Hybrid Inverter



- 2KW/3KW hybrid inverter
- Pure sinewave output
- Microprocessor controlled to guarantee stable charging system
- Multiple operations: Grid tie, Off grid, and grid-tie with backup
- Built-in MPPT solar charger
- LCD display panel for comprehensive information
- Multiple communication
- Green substitution for generators
- User-adjustable charging current up to 25A

InfiniSolar 2KW/3KW Hybrid Inverter Specification

MODEL	InfiniSolar 2KW	InfiniSolar 3KW
RATED POWER	2000 W	3000 W
GRID-TIE OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage	300 VDC / 350 VDC	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	80 VDC / 120 VDC	116 VDC / 150 VDC
MPP Voltage Range	150 VDC ~ 320 VDC	250 VDC ~ 450 VDC
Maximum Input Current	15 A	13 A
GRID/UTILITY INPUT (AC)		
Nominal Output Voltage	101/110/120/127 VAC	208/220/230/240 VAC
Output Voltage Range	88 - 127 VAC*	184 - 265 VAC*
Nominal Output Current	18 A	13.6 A
Power Factor	> 0.99	
EFFICIENCY		
Maximum Conversion Efficiency (DC/AC)	>94.5%	>95.5%
European Efficiency@ Vnominal	>93.5%	>94.5%
OFF-GRID OPERATION		
AC INPUT		
AC Start-up Voltage/Auto Restart Voltage	60 - 70 VAC / 90 VAC	120 - 140 VAC / 185 VAC
Acceptable Input Voltage Range	85 - 130 VAC*	175 - 280 VAC*
Maximum AC Input Current	30 A	20 A
PV INPUT (DC)		
Maximum DC Voltage	350 VDC	500 VDC
MPP Voltage Range	150 VDC ~ 320 VDC	250 VDC ~ 450 VDC
Maximum Input Current	15 A	13 A
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	101/110/120/127 VAC	208/220/230/240 VAC
Output Waveform	Pure Sinewave	
Efficiency (DC to AC)	90%	92%
HYBRID OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage	300 VDC / 350 VDC	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	80 VDC / 120 VDC	116 VDC / 150 VDC
MPP Voltage Range	150 VDC ~ 320 VDC	250 VDC ~ 450 VDC
Maximum Input Current	15 A	13 A
GRID/UTILITY OUTPUT (AC)		
Nominal Output Voltage	101/110/120/127 VAC	208/220/230/240 VAC
Output Voltage Range	88-127 VAC	184-265 VAC
Nominal Output Current	18 A	13.6 A
AC IUPUT		
AC Start-up Voltage / Auto Restart Voltage	60 - 70 VAC / 93 VAC	120 - 140 VAC / 194 VAC
Acceptable Input Voltage Range	88-127 VAC	184-265 VAC
Maximum AC Input Current	30 A	20 A
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	101/110/120/127 VAC	208/220/230/240 VAC
Efficiency (DC to AC)	90%	92%
BATTERY & CHARGER		
Nominal DC Voltage	48 VDC	
Maximum Charging Current	25A	
GENERAL		
PHYSICAL		
Dimension, D X W X H (mm)	420 x 415 x 170	
Net Weight (kgs)	15.5	
INTERFACE		
Communication Port	RS-232/USB	
Intelligent Slot	Optional SNMP, Modbus, and AS-400 cards available	
ENVIRONMENT		
Humidity	0 ~ 90% RH (No condensing)	
Operating Temperature	0 to 40°C	
Altitude	0 ~ 1000 m*	

*AC voltage range may vary depending on different AC voltage

* Power derating 1% every 100 m when altitude is over 1000m.

Product specifications are subject to change without further notice.