

# 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 Hybrid Inverter Selection Guide

MODEL	InfiniSolar 2KW	InfiniSolar 3KW
<b>RATED POWER</b>	2000 W	3000 W
<b>GRID-TIE OPERATION</b>		
<b>PV INPUT (DC)</b>		
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
<b>GRID/UTILITY INPUT (AC)</b>		
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	
<b>EFFICIENCY</b>		
Maximum Conversion Efficiency (DC/AC)	>94.5%	>95.5%
European Efficiency@ Vnominal	>93.5%	>94.5%
<b>OFF-GRID OPERATION</b>		
<b>AC INPUT</b>		
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
<b>PV INPUT (DC)</b>		
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
<b>BATTERY MODE OUTPUT (AC)</b>		
Nominal Output Voltage	101/110/120/127 VAC	208/220/230/240 VAC
Output Waveform	Pure Sinewave	
Efficiency (DC to AC)	90%	92%
<b>HYBRID OPERATION</b>		
<b>PV INPUT (DC)</b>		
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
<b>GRID/UTILITY OUTPUT (AC)</b>		
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
<b>AC I/UPUT</b>		
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
<b>BATTERY MODE OUTPUT (AC)</b>		
Nominal Output Voltage	101/110/120/127 VAC	208/220/230/240 VAC
Efficiency (DC to AC)	90%	92%
<b>BATTERY &amp; CHARGER</b>		
Nominal DC Voltage	48 VDC	
Maximum Charging Current	25A	
<b>GENERAL</b>		
<b>PHYSICAL</b>		
Dimension, D X W X H (mm)	420 x 415 x 170	
Net Weight (kgs)	15.5	
<b>INTERFACE</b>		
Communication Port	RS-232/USB	
Intelligent Slot	Optional SNMP, Modbus, and AS-400 cards available	
<b>ENVIRONMENT</b>		
Humidity	0 - 90% RH (No condensing)	
Operating Temperature	0 to 40°C	
Altitude	0 - 1000 m*	
<b>Compliance</b>		
Standard	CE, VDE-AR-N 4105, VDE 0126-1-1, IEC62109	

\*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.