

# InfiniSolar Plus II 3KW



- Pure sine wave output
- Enhanced AC/Solar charger up to 60A
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable battery charging current suits different types of batteries
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Built-in timer for various mode of on/off operation
- Multiple communication for USB, RS-232, Modbus and SNMP
- Monitoring software for real-time status display and control

## InfiniSolar Plus II 3KW Hybrid Inverter Storage Specification

MODEL	InfiniSolar Plus II 3KW
Phase	Single phase in / Single phase out
Maximum PV Input Power	4500 W
Rated Output Power	3000 W
Maximum Charging Power	2880 W
<b>GRID-TIE OPERATION</b>	
<b>PV INPUT (DC)</b>	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	116 VDC / 150 VDC
MPP Voltage Range	280 VDC ~ 450 VDC
Number of MPP Trackers / Maximum Input Current	1 / 1 x 18 A
<b>GRID OUTPUT (AC)</b>	
Nominal Output Voltage	208/220/230/240 VAC
Output Voltage Range	184-265 VAC*
Nominal Output Current	13 A
Power Factor	> 0.99
<b>EFFICIENCY</b>	
Maximum Conversion Efficiency (DC/AC)	96%
European Efficiency@ Vnominal	95%
<b>OFF-GRID OPERATION</b>	
<b>AC INPUT</b>	
AC Start-up Voltage / Auto Restart Voltage	120-140 VAC / 180 VAC
Acceptable Input Voltage Range	170-280 VAC
Maximum AC Input Current	30 A
<b>PV INPUT (DC)</b>	
Maximum DC Voltage	500 VDC
MPP Voltage Range	250 VDC ~ 450 VDC
Number of MPP Trackers / Maximum Input Current	1 / 1 x 18 A
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	208/220/230/240 VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	93%
<b>HYBRID OPERATION</b>	
<b>PV INPUT (DC)</b>	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	116 VDC / 150 VDC
MPP Voltage Range	250 VDC ~ 450 VDC
Number of MPP Trackers / Maximum Input Current	1 / 1 x 18 A
<b>GRID OUTPUT (AC)</b>	
Nominal Output Voltage	208/220/230/240 VAC
Output Voltage Range	184-265 VAC*
Nominal Output Current	13 A
<b>AC INPUT</b>	
AC Start-up Voltage / Auto Restart Voltage	120-140 VAC / 180 VAC
Acceptable Input Voltage Range	170-280 VAC
Maximum AC Input Current	30A
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	208/220/230/240 VAC
Efficiency (DC to AC)	93%
<b>BATTERY &amp; CHARGER</b>	
Nominal DC Voltage	48 VDC
Maximum Charging Current	Default 25 A, 5A - 60A (Adjustable)
<b>GENERAL</b>	
<b>PHYSICAL</b>	
Dimension, D x W x H (mm)	107x 438 x 480
Net Weight (kgs)	15.5
<b>INTERACE</b>	
Communication Port	RS-232/USB
Intelligent Slot	Optional SNMP, Modbus and AS-400 cards available
<b>ENVIRONMENT</b>	
Humidity	0 ~ 90% RH (Non-condensing)
Operating Temperature	0 to 40°C
Altitude	0 ~ 1000 m**

\*These figures may vary depending on different AC voltage and country requirements.

\*\* Power derating 1% every 100 m when altitude is over 1000m  
Product specifications are subject to change without further notice

