

## InfiniSolar: On-Grid Inverter with Energy Storage



InfiniSolar 3-phase 10KW

- 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 operations 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
- Custom-made firmware by ODM contract
- Parallel operation up to 6 units

### InfiniSolar On-grid Inverter with Energy Storage Selection Guide

MODEL	InfiniSolar 10kW 3P
<b>PHASE</b>	3-phase in / 3-phase out
<b>MAXIMUM PV INPUT POWER</b>	14850 W
<b>RATED OUTPUT POWER</b>	10000 W
<b>MAXIMUM CHARGING POWER</b>	9600 W
<b>GRID-TIE OPERATION</b>	
<b>PV INPUT (DC)</b>	
Nominal DC Voltage / Maximum DC Voltage	720 Vdc / 900Vdc
Start-up Voltage / Initial Feeding Voltage	320 Vdc / 350Vdc
MPP Voltage Range	400 Vdc - 800 Vdc
Number of MPP Trackers / Maximum Input Current	2 / 2 x 18.6A
<b>GRID OUTPUT (AC)</b>	
Nominal Output Voltage	230 Vac (P-N) / 400Vac (P-P)
Output Voltage Range	184 - 265Vac* per phase
Nominal Output Current	14.5A per phase
Power Factor	>0.99
<b>OFF-GRID OPERATION</b>	
<b>AC INPUT</b>	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 Vac per phase / 180 Vac per phase
Acceptable Input Voltage Range	170 - 280 Vac per phase
Maximum AC Input Current	40 A
<b>PV INPUT (DC)</b>	
Maximum DC Voltage	900 Vdc
MPP Voltage Range	400 Vdc - 800 Vdc
Number of MPP Trackers / Maximum Input Current	2 / 2 x 18.6A
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	230 Vac (P-N) / 400Vac (P-P)
Output Waveform	Pure Sinewave
Efficiency (DC to AC)	92 %
Maximum Conversion efficiency (DC/AC)	96 %
European Efficiency@ Vnominal	95 %
MPPT Converting Efficiency	99 %
<b>HYBRID OPERATION</b>	
<b>PV INPUT (DC)</b>	
Nominal DC Voltage / Maximum DC Voltage	720 Vdc / 900Vdc
Start-up Voltage / Initial Feeding Voltage	320 Vdc / 350Vdc
MPP Voltage Range	400 Vdc - 800 Vdc
Number of MPP Trackers / Maximum Input Current	2 / 2 x 18.6A
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<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	230 Vac (P-N) / 400Vac (P-P)
Output Waveform	Pure Sinewave
Efficiency (DC to AC)	92 %
<b>BATTERY &amp; CHARGER</b>	
Nominal DC Voltage	48 Vdc
Maximum Charging Current	Default 60A; 10A - 200A (Adjustable)
<b>GENERAL</b>	
<b>PHYSICAL</b>	
Dimensions D x W x H (mm)	162.2 x 500 x 622
Net Weight (kgs)	40
<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 (Non-Condensing)
Operating Temperature	-10 to 55°C
Altitude	0 - 1000m**

\*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.