

## Solar Inverter



### Features

- 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 for 5KW / 10KW and 15KW

MODEL		InfiniSolar 15KW
<b>PHASE</b>		3-phase in / 3-phase out
<b>MAXIMUM PV INPUT POWER</b>		22500 W
<b>RATED OUTPUT POWER</b>		15000 W
<b>MAXIMUM CHARGING POWER</b>		15000 W
GRID-TIE OPERATION		
<b>PV INPUT (DC)</b>		
Nominal DC Voltage / Maximum DC Voltage		720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage		320 VDC / 350 VDC
MPP Voltage Range		350 VDC ~ 850 VDC
Number of MPP Trackers / Maximum Input Current		2 / A: 37.65A; B: 18.6A
<b>GRID OUTPUT (AC)</b>		
Nominal Output Voltage		230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range		184 - 264.5VAC per phase
Nominal Output Current		21.7A per phase
Power Factor		> 0.99
<b>EFFICIENCY</b>		
Maximum Conversion Efficiency (DC/AC)		96%
European Efficiency@ Vnominal		95%
OFF-GRID OPERATION		
<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 - 290 VAC per phase 170 - 280 VAC per phase
Maximum AC Input Current		40 A
<b>PV INPUT (DC)</b>		
Maximum DC Voltage		900 VDC
MPP Voltage Range		350 VDC ~ 850 VDC
Number of MPP Trackers/Maximum Input Current		2 / A: 37.65A; B: 18.6A
<b>BATTERY MODE OUTPUT (AC)</b>		
Nominal Output Voltage		230 VAC (P-N) / 400 VAC (P-P)
Output Waveform		Pure Sinewave
Efficiency (DC to AC)		91%
HYBRID OPERATION		
<b>PV INPUT (DC)</b>		
Nominal DC Voltage / Maximum DC Voltage		720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage		320 VDC / 350 VDC
MPP Voltage Range		350 VDC ~ 850 VDC
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Efficiency (DC to AC)		91%
<b>BATTERY &amp; CHARGER</b>		
Nominal DC Voltage		48 VDC
Maximum Charging Current		Default 60A, 5A - 300A (Adjustable)
GENERAL		
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)		219 x 650 x 820
Net Weight (kgs)		62
<b>INTERFACE</b>		
Communication Port		RS-232, USB and Dry contact
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 ~ 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.

VDE-AR-N 4105  
 VDE 0128-1-1  
 AS4777, AS/NZS3100, NRS-097-2-1 (only for InfiniSolar Plus 3KW)

