



Solar On-grid Inverter with Energy Storage



Infinisolar 10KW

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



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SPECIFICATIONS		Infinisolar 10KW
PHASE		3-phase in / 3-phase out
MAXIMUM PV INPUT POWER		14850 W
RATED OUTPUT POWER		10000W
MAXIMUM CHARGING POWER		9600W
GRID-TIE OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage		720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage		320 VDC / 350 VDC
MPP Voltage Range		400 VDC - 800 VDC
Number of MPP Trackers / Maximum Input Current		2 / 2 x 18.6A
GRID OUTPUT (AC)		
Nominal Output Voltage		230AC (P-N) / 400 VAC (P-P)
Output Voltage Range		84 - 264.5VAC per phase
Nominal Output Current		14.5A per phase
Power Factor		> 0.99
EFFICIENCY		
Maximum Conversion Efficiency (DC/AC)		96%
European Efficiency@ Vnominal		95%
OFF-GRID OPERATION		
AC INPUT		
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
PV INPUT (DC)		
Maximum DC Voltage		900 VDC
MPP Voltage Range		400 VDC - 800 VDC
Number of MPP Trackers/Maximum Input Current		2 / 2 x 18.6A
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage		230 VAC (P-N) / 400 VAC (P-P)
Output Waveform		Pure Sinewave
Efficiency (DC to AC)		91%
HYBRID OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage		720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage		320 VDC / 350 VDC
MPP Voltage Range		400 VDC - 800 VDC
Number of MPP Trackers/Maximum Input Current		2 / 2 x 18.6A
GRID OUTPUT (AC)		
Nominal Output Voltage		230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range		184 - 264.5VAC per phase
Nominal Output Current		14.5A per phase
AC INPUT		
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
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage		230 VAC (P-N) / 400 VAC (P-P)
Efficiency (DC to AC)		91%
BATTERY & CHARGER		
Nominal DC Voltage		48 VDC
Maximum Charging Current		Default 60A, 10A - 200A (Adjustable)
GENERAL		
PHYSICAL		
Dimension, D x W x H (mm)		167.2 x 500 x 622
Net Weight (kgs)		40
INTERFACE		
Communication Port		RS-232, USB and Dry contact. Optional BMS box available.
Intelligent Slot		Optional SNMP, Modbus, WiFi, BMS and AS-400 cards available
ENVIRONMENT		
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.



