

FullCircleSolar INFINISOLAR 15K On-Grid Inverter with Energy Storage

On-Grid Inverter with Energy Storage



- Pure sine wave output
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current up to 300A
- 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
- Parallel operation up to 6 units



MODEL	FCS INFINI 3P 15K
Phase	3-phase in / 3-phase out
Parallel Capability	Yes, 6 units
Maximum PV Input Power	22500 W
Rated Output Power	15000 W
Maximum Charging Power	15000 W
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	350 VDC ~ 800 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 37.65A; B: 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	21.7A 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 Per phase
PV INPUT (DC)	
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
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Waveform	Pure sine wave
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	350 VDC ~ 850 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 37.65A; B: 18.6A
GRID OUTPUT (AC)	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 264.5 VA Cper phase
Nominal Output Current	21.7 A 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	40A Per phase
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, 5A - 300A (Adjustable)
GENERAL	
PHYSICAL	
Dimension, D X W X H (mm)	219 x 650 x 820
Net Weight (kgs)	62
INTERACE	
Communication Port	RS-232/USB and Dry contact
Intelligent Slot	Optional SNMP, Modbus and AS-400 cards available
ENVIRONMENT	
Humidity	0 ~ 90% RH (No condensing)
Operating Temperature	-10°C 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