

FullCircleSolar INFINI V-III-5KW On-Grid Inverter with Energy Storage



- Pure sine wave output
- Wide DC input range
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- Detachable LCD control module with multiple communications
- Built-in WI-FI for mobile monitoring (App is available)
- Support USB On-the-Go function
- Reserved communication port for BMS (RS485)
- User-adjustable charging current and voltage
- Parallel operation up to 9 units



MODEL	FCS-INFINI V-III-5KW
Max. PV Array Power	6000W
Rated Output Power	5000W
Maximum PV Array Open Circuit Voltage	450 VDC
PV input voltage range	120 VDC ~ 450 VDC
MPPT Range @ Operating Voltage	120 VDC ~ 430 VDC
Maximum PV input current	27A
Number of MPP Tracker	1
GRID-TIE OPERATION	
GRID OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)
Nominal Output Current	21.7A
Power Factor range	0.9 lag ~ 0.9 lead, default 0.99
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	96%
OFF-GRID/HYBRID OPERATION	
GRID INPUT	
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing)
Maximum AC Input Current	40 A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sine wave
Efficiency(DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Solar Charge Current	100 A
Maximum AC Charge Current	100 A
Maximum Charge Current	100 A
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	142 x 297 x 455
Net Weight (kgs)	12
INTERACE	
Parallel Function	Yes, 9 units
Communication Port	USB, Wi-Fi, RS485, RS232
ENVIRONMENT	
Humidity	0 ~ 95% RH (No condensing)
Operating Temperature	0 to 50°C

Product specifications are subject to change without further notice.