FullCircleSolar KING Off-Grid Inverter

FULLCIRCLESOLAR

- Zero (0ms) transfer time to protect mission-critical loads such as servers and ATMs
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Configurable AC/PV output usage timer and prioritization
- Pure sine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Optional parallel operation up to 9 units

0MS
TRANSFER TIME

MODEL	FCS KING 5K-Rack
Rated Power	5000VA/5000W
Parallel Capability	Yes, 9 units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	110-280 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%
Output THDv	<3% for linear load, <8% for non-linear load
Surge Power	10000VA for 5 sec.
Efficiency (Peak)	93% at Line Mode, 90% at Battery Mode
Transfer Time	0 ms
Waveform	Pure sine wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	4000W
MPPT Range @ Operating Voltage	60 VDC~115 VDC
Maximum PV Array Open Circuit Voltage	145 VDC
Maximum Solar Charge Current	80 A
Maximum AC Charge Current	60 A
Maximum Charge Current	140 A
PHYSICAL	
Dimension,DxWxH (mm)	466 x 438 x 130.8 / 540 x 438 x 130.8 (Including terminals)
Net Weight (kgs)	15.0
Communication Interface	USB/RS232/RS485/Bluetooth/Dry contact
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	0°C - 55°C
Storage Temperature	-15°C - 60°C

Product specifications are subject to change without further notice.