



Solar Off Grid Inverter



## KING 5KW-48V

### Features

- Zero transfer time to protect mission-critical loads such as servers and ATM.
- Detachable LCD control module with multiple communications
- Built-in Bluetooth for mobile monitoring (Android App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Configurable AC/PV output usage timer and prioritization
- Parallel operation up to 9 units





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### SPECIFICATIONS

MODEL	KING 5KW-48V
Rated Power	5000VA/5000W
Parallel Capability	Up to 9 units

### INPUT

Voltage	230 VAC
Voltage Range	110-280 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing)

### OUTPUT

AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%
Output THDv	$\leq$ 3% for linear load, $\leq$ 8% for non-linear load
Surge Power	10000VA for 5 sec
Efficiency (Peak)	93 % at Line Mode, 90% at Battery Mode
Transfer Time	0
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	4000 W
MPP 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, D x W x H (mm)	140 x 303 x 525
Net Weight (kgs)	13.5
Communication Interface	USB/RS232/RS485/Bluetooth/Dry-contact

### ENVIRONMENT

Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	0°C to 55°C
Storage Temperature	-15°C to 60°C

All information contained in this document is subject to change without notice.