

RCT-AXPERT 5.6K MK4

RCT Axpert 5.6K MKS IV 5600VA / 5600W 48V Pure Sine Wave MPPT Inverter charger

Product Overview

RCT Axpert 5.6K MKS IV 5600VA / 5600W 48V Pure Sine Wave MPPT Inverter charger, Up to 9 units parallel capability, 10 ms transfer time, Pure Sine Wave Waveform, 93% efficiency (Peak), 48 VDC battery voltage, 450 VDC Maximum PV Array open Circuit voltage, 6000 W Maximum PV Array power



Specifications

About this product

The RCT Axpert 5.6K MK4 is a 5600VA / 5600W 48V Pure Sine Wave inverter with built-in MPPT solar charger, Wi-Fi connectivity, and up to 9 units parallel capability. It delivers reliable power with 93% peak efficiency and a fast 10ms transfer time.

Overview Summary

RCT Axpert 5.6K MK4- a high-performance pure sine wave inverter designed for residential and small commercial solar systems. The transformerless design provides compact, reliable power conversion, while the MPPT solar charger maximizes energy harvest from solar arrays.

With built-in Wi-Fi, mobile monitoring via Android/iOS apps is supported. Data can be accessed and recorded directly on the inverter. USB On-The-Go functionality allows easy software updates, parameter adjustments, and data downloads. Parallel operation supports up to 9 units for expanded capacity.

Additional features include a large 4.3-inch touchable LCD, customizable RGB LED status ring, reserved BMS communication port, and battery independent function, ensuring efficient and convenient system management.

Performance tier:High-performance / Residential & Small Commercial

Uses:Solar inverter, Off-grid systems, Backup power, Parallel system expansion, Remote monitoring

Quick Specifications:

- Model: Axpert MKS IV 5600-48
- Rated Power: 5600VA / 5600W
- Parallel Capability: Yes, up to 9 units

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Product Specification Sheet

- Input Voltage: 230 VAC
- Selectable Voltage Range: 170-280 VAC (PC), 90-280 VAC (Appliances)
- Frequency Range: 55/60 Hz (Auto sensing)
- AC Voltage Regulation (Batt. Mode): 230 VAC +/- 5%
- Surge Power: 5600 VA
- Efficiency (Peak): 93%
- Transfer Time: 10 ms (PC), 20 ms (Appliances)
- Waveform: Pure Sine Wave
- Battery Voltage: 48 VDC
- Floating Charge Voltage: 54 VDC
- Overcharge Protection: 66 VDC
- Maximum PV Array Open Circuit Voltage: 450 VDC
- Maximum PV Array Power: 6000 W
- MPPT Range @ Operating Voltage: 120 VDC~430 VDC
- Maximum Solar Charge Current: 120A
- Maximum AC Charge Current: 120A
- Dimensions (D x W x H): 140 x 295 x 468 mm
- Net Weight: 12 kg
- Communication: USB/RS232/RS485/Wi-Fi/Dry-contact
- Operating Humidity: 5% to 95% RH (non-condensing)
- Operating Temperature: -10degreesC to 50degreesC
- Storage Temperature: -15degreesC to 60degreesC

Overview:

Expert MKS IV - With MPPT solar Charger

Expert MKS IV is equipped with MPPT solar charge controller to maximize and regulate DC power from the solar array for charging the battery bank. Transformerless design provides reliable power conversion in a compact size. The new generation of Expert MKS comes with a built-in Wi-Fi function, mobile monitoring can be carried out through mobile applications. Data can be accessed and recorded in the inverter, which is convenient for tracking the operation status of the inverter. It also supports USB On-The go function for easy rewriting of internal parameters, data downloads, and software updates.

Description

The RCT Expert 5.6K MK4 inverter is engineered to deliver reliable, pure sine wave AC power for residential and small commercial solar systems. Its MPPT solar charger ensures maximum energy harvest from PV arrays, while parallel operation allows expansion up to 9 units for higher power requirements.

Integrated Wi-Fi enables remote monitoring and data logging through mobile apps, and USB On-The-Go support allows parameter adjustments, software updates, and easy data download. The transformerless design provides efficient, compact power conversion with high reliability.

The inverter features a 4.3-inch touchable color LCD, customizable RGB LED status ring, and reserved BMS communication port. It can operate independently of battery connection and is ideal for off-grid or hybrid solar setups.

Features:

- Pure sine wave MPPT solar Inverter
- Customizable status LED ring with RGB lights
- Touchable button with large 4.3 colored LCD
- Wide DC input range

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Product Specification Sheet

- Supports USB On-the-Go function
- Datalog events stored in the inverter
- Built-in Wi-Fi for mobile monitoring (Android/iOS App available)
- Reserved communication port for BMS
- Battery independent function
- Parallel operation with up to 9 units

FAQ

Q: What is the rated power of the RCT Axpert 5.6K MK4?

A: The inverter is rated at 5600VA / 5600W.

Q: Can multiple units be connected in parallel?

A: Yes, up to 9 units can be connected in parallel for higher capacity.

Q: Does it support remote monitoring?

A: Yes, built-in Wi-Fi allows monitoring via Android/iOS apps.

Q: What is the peak efficiency?

A: Peak efficiency is 93%.

Q: What type of waveform does it output?

A: The inverter produces a pure sine wave AC output.

Specifications:

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Specifications

Product Code	RCT-AXPERT 5.6K MK4
MODEL	Axpert MKS IV 5600-48
Rated Power	5600VA/5600W
Parallel Capability	Yes, up to 9 units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers), 90-280 VAC (For Home Appliances)
Frequency Range	55/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230 VAC +/- 5%
Surge Power	5600 VA
Efficiency (Peak)	93%

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Product Specification Sheet

Transfer Time	10 ms (For Personal Computers), 20 ms (For Home Appliances)
Waveform	Pure Sine Wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Open Circuit Voltage	450 VDC
Maximum PV Array Power	6000 W
MPPT Range @ Operating Voltage	120 VDC~430 VDC
Maximum Solar Charge Current	120A
Maximum AC Charge Current	120A
PHYSICAL	
Dimension, D X W X H (mm)	140 x 295 x 468
Net Weight (kgs)	12
Communication	USB/RS232/RS485/WiFi/Dry-contact
OPERATING ENVIRONMENT	
Operating Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10degreesC to 50degreesC
Storage Temperature	-15degreesC to 60degreesC

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx.co.za/RCT-AXPERT-5-6K-MK4-RCT-Axpert-5-6K-MKS-IV-5600VA-5600W-48V-Pure-Sine-Wave-MPPT-Inverter-p-257808.php>

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