

RCT

- 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



Off-Grid Inverter

MODEL	RCT-AXKINGRM-3K24V	RCT-AXKINGRM-5K48V
Rated Power	3000VA/3000W	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	230 VAC \pm 5%	
Output THDv	<3% for linear load, <8% for non-linear load	
Surge Power	6000VA for 5 sec	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	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	66 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	MPPT
Maximum PV Array Open Circuit Voltage	145 VDC	
Maximum PV Array Power	1500 W	4000 W
MPP Range @ Operating Voltage	30 ~ 115 VDC	60~115 VDC
Maximum Solar Charge Current	60 A	80 A
Maximum AC Charge Current	60 A	60 A
Maximum Charge Current	120 A	140 A
PHYSICAL		
Dimension, D x W x H (mm)	366.3 x 438 x 130.8	
Net Weight (kgs)	14.5	15.0
Communication Interface	USB/RS232/RS485/Dry-contact/Wi-Fi	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

* Product specifications are subject to change without further notice