

RCT

- Pure sine wave inverter
- Output power factor 1
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- 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
- Parallel operation with up to 9 units only available for 5K



RCT-AXPERT 1K
RCT-AXPERT 3K-24V
RCT-AXPERT 3K-48V

RCT-AXPERT 5K
RCT-AXMK2 5K-48V

Inverter / Charger

MODEL	RCT-AXPERT 1K	RCT-AXPERT 3K-24V	RCT-AXPERT 3K-48V	RCT-AXPERT 5K	RCT-AXMK2 5K-48V
Rated Power	1000VA/1000W	3000VA/3000W	3000VA/3000W	5000VA/5000W	5000VA/5000W
INPUT					
Voltage	230 VAC				
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)				
Frequency Range	50 Hz/60 Hz (Auto sensing)				
OUTPUT					
AC Voltage Regulation (Batt. Mode)	230VAC ± 5 %				
Surge Power	2000VA	6000VA	6000VA	10000VA	10000VA
Efficiency (Peak)	90%-93%	93%	93%	93%	90%
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)				
Waveform	Pure sine wave				
BATTERY & AC CHARGER					
Battery Voltage	24VDC	24VDC	48 VDC	48 VDC	48 VDC
Floating Charge Voltage	27 VDC	27 VDC	27 VDC	54 VDC Max: 58VDC (optional 64VDC, please check with sales)	54 VDC
Overcharge Protection	31 VDC	31 VDC	31 VDC	60 VDC (optional 66VDC, please check with sales)	66 VDC
SOLAR CHARGER					
Maximum PV Array Power	600 W	600 W	900 W	4000 W	4500 W
MPPT Range @ Operating Voltage	30VDC ~ 66VDC	30VDC ~ 66VDC	60VDC ~ 88VDC	60VDC ~ 115VDC	120VDC ~ 430VDC
Maximum PV Array Open Circuit Voltage	75 VDC	75 VDC	102 VDC	145VDC	450VDC
Maximum Solar Charge Current	25 A	25 A	18 A	80 A	80 A
Maximum AC Charge Current	20 A	30 A	15 A	60 A	80 A
Maximum Charge Current	45 A	55 A	33 A	140 A	80 A
PHYSICAL					
Dimension, D x W x H (mm)	100 x 272 x 355	100 x 272 x 355	100 x 272 x 355	120 x 295 x 468	120 x 295 x 468
Net Weight (kgs)	6.8	7.4	7.4	13.5	11
OPERATING 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