

# RCT

- Pure sine wave inverter
- 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 4 units only available for 4K/5K



RCT-AXPERT 1K  
RCT-AXPERT 3K

RCT-AXPERT 5K

**Inverter / Charger**

MODEL	RCT-AXPERT 1K	RCT-AXPERT 3K	RCT-AXPERT 5K
Rated Power	1000VA/800W	3000VA/2400W	5000VA/4000W
<b>INPUT</b>			
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)		
<b>OUTPUT</b>			
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5 %		
Surge Power	2000VA	6000VA	10000VA
Efficiency (Peak)	90%	93%	93%
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)		
Waveform	Pure sine wave		
<b>BATTERY &amp; AC CHARGER</b>			
Battery Voltage	24 VDC	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	27 VDC	54 VDC
Overcharge Protection	31 VDC	31 VDC	60 VDC
Maximum Charge Current	10 A or 20 A	20 A or 30 A	20 A or 30 A
<b>SOLAR CHARGER</b>			
Maximum PV Array Power	600 W	600 W	3000 W
MPPT Range @ Operating Voltage	30VDC ~ 66VDC	30VDC ~ 66VDC	60VDC ~115VDC
Maximum PV Array Open Circuit Voltage	75 VDC	75 VDC	145 VDC
Maximum Charging Current	25A	25A	60A
Maximum Efficiency	98%		
Standby Power Consumption	2 W		
<b>PHYSICAL</b>			
Dimension, D x W x H (mm)	128 x 272 x 355		140 x 295 x 540
Net Weight (kgs)	7.4	8.0	13.5
<b>OPERATING ENVIRONMENT</b>			
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