

RCT

- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable battery charging current suits different types of batteries
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Built-in timer for various mode of on/off operation
- Multiple communication for USB, RS-232, Modbus and SNMP
- Monitoring software for real-time status display and control



RCT-3000W Plus

RCT-10000W

Hybrid PV Inverter

MODEL	RCT-3000W Plus	RCT-10000W
PHASE	1-phase in/1-phase out	3-phase in/3-phase out
RATED POWER	3000 W	10000 W
PV INPUT (DC)		
Maximum DC Power	4500 W	14850W
Nominal DC Voltage	360 VDC	720 VDC
Maximum DC Voltage	500 VDC	900 VDC
Start-up Voltage / Initial Feeding Voltage	116 VDC / 150 VDC	320 VDC / 350 VDC
MPP Voltage Range	250 VDC ~ 450 VDC	350VDC ~ 850 VDC
Maximum Input Current	18 A	2x18.6A
Isc PV (absolute maximum)	18 A	25 A
Max. inverter backfeed current to the array	0 A	
GRID OUTPUT (AC)		
Nominal Output Voltage	208/220/230/240 VAC	230 VAC (P-N) / 400 V-P)
Output Voltage Range	184-265 VAC *	184-265VAC per phase
Output Frequency Range	47.5 ~ 51.5Hz or 59.3~ 60.5Hz	
Nominal Output Current	13 A	14.5 A per phase
Inrush Current	17 A	17 A per phase
Maximum Output Fault Current	51 A	51 A per phase
Maximum output Overcurrent Protection	51 A	51 A per phase
Power Factor Range	0.9 lead – 0.9 lag	
AC INPUT		
AC Start-up Voltage	120 -140 VAC	120 -140 VAC per phase
Auto Restart Voltage	180 VAC	180 VAC per phase
Acceptable Input Voltage Range	170 - 280 VAC	170 - 280 VAC per phase
Nominal Frequency	50 Hz / 60 Hz	
AC Input Power	51 00VA/ 51 00W	10000VA/10000W
Maximum AC Input Current	30 A	40 A
Inrush Input Current	30 A	40 A
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	208/220/230/240 VAC	230VAC (P-N) / 400VAC (P-P)
Output Frequency	50 Hz / 60 Hz (auto sensing)	
Output Waveform	Pure sine wave	
Output Power	3000VA/ 3000W	10000VA/10000W
Efficiency (DC to AC)	92%	91%
BATTERY & CHARGER		
Nominal DC Voltage	48 VDC	
Maximum Battery Discharging Current	92 A	275A
Maximum Charging Current	25 A	200A
GENERAL		
PHYSICAL		
Dimension, D X W X H (mm)	480 x 438 x 117	622 x 500 x 167.2
Net Weight (kgs)	15.5 7	45
INTER ACE		
Communication Port	RS -232/USB	
Intelligent Slot	Optional SNMP, Modbus and AS-400 cards available	
ENVIRONMENT		
Protective Class	I	
Ingress Protection Rating	IP20	
Humidity	0 ~ 90% RH (No condensing)	
Operating Temperature	0 to 40° C	-10 to 55° C (Power derating above 50 °C)
Altitude	0 ~ 1000 m **	

*This figure may vary depending on different AC voltage.

**Power derating 1% every 100 m when altitude is over 1000m.