

GENERATOR COMPATIBLE

# RCT MEGAPOWER 1KVA UPS TROLLEY

- Pure Sinewave for Sensitive Electronics & Motorised Loads
- True Double-conversion for Stable Clean Power
- Microprocessor Control Optimizes Reliability
- Input Power Factor Correction
- Output Power Factor 0.8
- Wide Input Voltage Range (110-285 VAC)
- Eco-mode for Energy Saving
- Comprehensive Display Allows Easy Monitoring & Access of UPS Status
- Monitoring can be done via USB or RS-232 with Enclosed Software

**PHASE:** Single phase with ground

**CAPACITY\*:** 1000 VA / 800 W

## INPUT VOLTAGE RANGE

**110-285 VAC**

Based on load  
at 50%

**160-285 VAC**

Based on load  
at 100%

INPUT

**NOMINAL VOLTAGE:**  
200 / 208 / 220 / 230 / 240 VAC

**FREQUENCY RANGE:**  
40Hz ~ 70Hz

**POWER FACTOR:**  
≥ 0.99 @ Nominal Voltage (100% LOAD)



OUTPUT

**OUTPUT VOLTAGE:**  
200 / 208 / 220 / 230 / 240 VAC

**FREQUENCY RANGE:**  
(SYNCHRONIZED RANGE)  
47~ 53Hz / 57 ~ 63Hz

**CURRENT CREST RATIO:**  
3:1

**TRANSFER TIME:**  
AC Mode to Batt. Mode: Zero  
Inverter to Bypass: 4 ms (Typical)

**VOLTAGE REGULATION:**  
± 1%

**FREQUENCY RANGE:**  
(BATT. MODE)  
50Hz ± 0.25Hz / 60Hz ± 0.3Hz

**HARMONIC DISTORTION:**  
≤ 3% THD (Linear Load) ≤ 6% THD (Non-linear Load)

**WAVEFORM:**  
(BATT. MODE)  
Pure Sinewave

EFFICIENCY

**88%**  
AC Mode

**81%**  
Battery Mode

**10A**  
Charging Current (max)

**13.7VDC ±1%**  
Charging Voltage

**TYPE:**  
Depending on the capacity of external batteries

LCD INDICATORS:

Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators

ALARM

**BATTERY MODE:**  
Sounding every 4 seconds

**LOW BATTERY:**  
Sounding every second

**OVERLOAD:**  
Sounding twice every second

**FAULT:**  
Continuously sounding

ENVIRONMENT

**HUMIDITY:**  
20-90% RH @ 0 - 40°C  
(Non-condensing)

**NOISE LEVEL:**  
Less than 50dB @ 1m

MANAGEMENT

**SMART RS-232 / USB:**  
Supports Windows® 2000 / 2003 / XP/Vista / 2008 Windows® 7 / 8 / 10, Linux & MAC

**OPTIONAL SNMP:**  
Power management from SNMP manager & web browser

RUNTIME BASED ON 1X 12V DC 100Ah BATTERY

MOBILE PHONE 5W + LED LAMP 2 X 5W + WI-FI ROUTER 30W + LAPTOP 55W = **100W** **6 HOURS** ESTIMATE RUNTIME

MOBILE PHONE 5W + LED LAMP 2 X 5W + WI-FI ROUTER 30W + TABLET 20W + LAPTOP 55W + LED MONITOR 30W = **150W** **4 HOURS** ESTIMATE RUNTIME

MOBILE PHONE 5W + LED LAMP 2 X 5W + WI-FI ROUTER 30W + LAPTOP 55W + LED TV 100W = **200W** **3 HOURS** ESTIMATE RUNTIME

MOBILE PHONE 2 X 5W + LED LAMP 2 X 5W + WI-FI ROUTER 30W + TABLET 20W + SATELLITE 30W + LED TV 50W - 150W + DESKTOP 50W - 150W = **400W** **1.5 HOURS** ESTIMATE RUNTIME

\*Derate to 80% of capacity in frequency converter mode and to 80% when the output voltage is adjusted to 200 / 208 / VAC. Product specifications are subject to change without further notice.

**PRODUCT DIMENSIONS:** 282 mm x 145 mm x 220 mm

**4.1KG**  
Product Weight



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