



## **RPT-2003DU**

### **2KVA 1200W Line Interactive UPS**

RPT-2003DU is a 2KVA Line Interactive UPS designed to deliver comprehensive power protection against a wide range of potential power issues. With its microprocessor control technology, this UPS ensures exceptional reliability. Whether for home or office use, the RPT-2003DU serves as a reliable power supply solution that safeguards your computer from data loss caused by power failures.

Featuring built-in 2-step boost and 1-step buck AVR regulators, the RPT-2003DU effectively stabilizes output voltage fluctuations and corrects abnormal voltages, providing essential protection for your connected devices. It excels at managing complex power environments and consistently delivers a stable voltage across various input waveforms. Additionally, the built-in high-power surge absorber not only safeguards electrical equipment from lightning strikes but also filters out various types of electric wave interference.

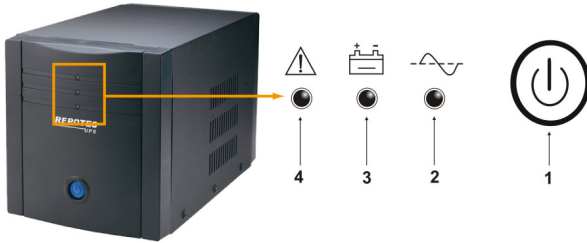
RPT-2003DU boasts an ultra-wide voltage and ultra-wide frequency input acceptance range, enabling it to handle even the harshest power conditions. It provides stable and reliable power, creating a safer environment for your equipment. With the RPT-2003DU, you can have peace of mind knowing that your equipment is protected against damage in unstable power environments.

## **Features**

- Line Interactive UPS with interactive topology
- Controlled by a technologically advanced microprocessor guaranteeing high reliability
- Equipped with 2 boost & 1 buck AVR function to regulate output voltage
- Cold start function: built-in DC start function enables UPS to be started without AC power supplied
- Auto Restart Upon AC Recovery
- Built-in CCCV Battery Charger
- Off-mode Charging
- UPS Green Mode: Energy saving function
- USB port and cable for managing functions via PC

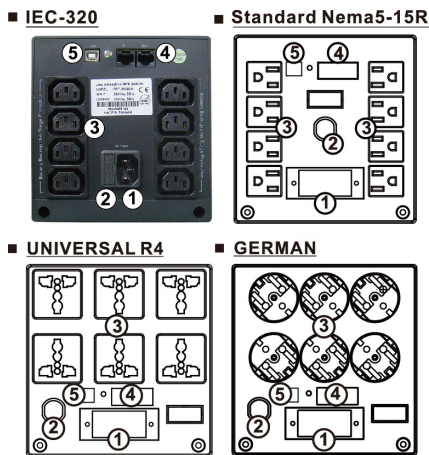
# Interface

## Front Panel



1. **Master power Switch:** "ON/OFF/TEST/SILENCE" button.
2. **On-Line LED:** AC normal
3. **Back-Up LED:** Battery in backup
4. **Cut-Off LED:** Overload or Fault or Replace Battery

## Rear Panel



1. **AC Input:** Connect to input power cord
2. **AC Fuse:** Provide Circuit overload and fault protection for the UPS and load
3. **Outlets**
4. **RJ-11/45 (Optional)**
5. **Communication interface:** USB port

# Specifications

|                  |  |   |
|------------------|--|---|
| <b>Model No.</b> |  | RPT-2003DU                              |
| <b>Capacity</b>  |  | 2000VA/1200W                            |
| <b>Input</b>     | <b>Voltage</b>                           | 110/115/120Vac or 220V/230/240Vac       |
|                  | <b>Voltage Range</b>                     | -30%+25%                                |
|                  | <b>Frequency</b>                         | 50Hz or 60Hz (Auto Sensing)             |
| <b>Output</b>    | <b>Voltage Regulation (Battery Mode)</b> | 110/115/120VAC or 220/230/240VAC +/-10% |
|                  | <b>Frequency</b>                         | 50Hz or 60Hz +/- 1Hz                    |
|                  | <b>Waveform</b>                          | Simulated Sinewave                      |
|                  | <b>Transfer Time</b>                     | < 6ms(Typical)                          |
|                  | <b>IEC-320/Nema 5-15R</b>                | 8/8                                     |
|                  | <b>Universal/German</b>                  | 6/6                                     |
| <b>Battery</b>   | <b>Voltage</b>                           | 24VDC                                   |
|                  | <b>Recharge Time</b>                     | 5hr to 90% after complete discharge     |
|                  | <b>Safety Protection</b>                 | Over Charge & Discharge Protection      |
|                  | <b>Advanced Battery Management</b>       | YES                                     |

|                      |  |   |
|----------------------|--|---|
|                      | <b>Back-up Time (Load with 1PC )</b>     | 50 Minutes  |
| <b>Display</b>       | <b>LED status indicator</b>              | Normal (Green), Battery (Yellow), UPS cut off (Red)                               |
|                      | <b>LCD status display</b>                | I/P & O/P Voltage & Frequency, Load %, Battery %                                  |
| <b>Audible Alarm</b> | <b>Battery Mode</b>                      | Beeping twice every 8 second  |
|                      | <b>Low Battery</b>                       | Beeping four times every second   |
|                      | <b>Overload</b>                          | Beeping continuously  |
|                      | <b>Fault</b>                             | Beeping continuously  |
| <b>Function</b>      | <b>AVR (Auto Voltage Regulation)</b>     | 2 Boost + 1 Buck  |
|                      | <b>DC start function</b>                 | YES   |
|                      | <b>Auto restart UPS</b>                  | YES   |
|                      | <b>Over/Under voltage protection</b>     | YES   |
|                      | <b>No load Cut-off (Green mode)</b>      | YES   |
|                      | <b>Silence the Audible Alarm</b>         | YES   |
|                      | <b>Off Mode Charging</b>                 | YES   |
|                      | <b>Short Circuit Protection</b>          | AC fuse and Electronics circuit(Line mode) ;<br>Electronics circuit(Back-up Mode) |
|                      | <b>Lightning/ Surge Protection</b>       | 99 Joules(110/115/120VAC) / 175 Joules<br>(220/230/240VAC)                        |
|                      | <b>Modem/Phone protection (Optional)</b> | RJ-11   |
|                      | <b>Communication port</b>                | USB port  |
|                      | <b>Software</b>                          | OPTIONAL  |
| <b>Environment</b>   | <b>Operating Temperature</b>             | 0°C - 40°C (32°F~104°F)   |
|                      | <b>Humidity</b>                          | 0-95% (No condensing)   |
|                      | <b>Acoustic Noise</b>                    | <40 dB at 1M  |
| <b>Regulation</b>    | <b>Safety Standard</b>                   | CE (EN62040-1-1, EN50091-1)   |
|                      | <b>EMC Standard</b>                      | FCC Part 15 Class B,<br>CE(EN50091-2, EN61000-3-2, EN61000-3-3)                   |
| <b>Physical</b>      | <b>Dimension (UPS Case)(W*D*H)</b>       | 360*150*160mm   |

## Ordering information

**RPT-2003DU**

2000VA/1200W Line Interactive UPS with USB port

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