# ResiPOWER RM06

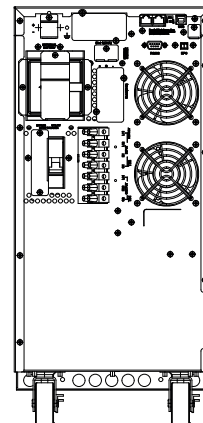## Single-phase online UPS

### PRODUCT FEATURES

- Maximum power availability: kVA=kW

- Up to 4 units in parallel, 3 + 1 redundancy possible with parallel kit

- Low running costs: the high-efficiency VFI and ECO features minimise energy consumption

- User-friendly monitoring software can be downloaded for free and is compatible with the main operating systems for monitoring functions, diagnostics, and controlled shutdown of loads in the event of faults

- Cold start

- Wide input voltage and frequency ranges reduce battery switching, thereby increasing battery life and efficiency

- Flexible battery configuration to suit your uptime requirements

- Accurate calculated remaining uptime is shown on the display

- Hot-swappable batteries: the batteries can be replaced while the UPS is running

- Firmware can be upgraded easily to implement new features

- EPO or on/off, with remote option

- 6-step operation test that can be activated manually

- RS232 and USB ports, slots for optional communication cards

### KEY OPTIONS

- Cards: RS485, SNMP/web and relay card with dry contacts to send the UPS status to various systems, such as BMS, PLC, SCADA and AS400

- Parallel kit

- External battery cabinets

- External manual bypass with additional sockets



**Back panel**

## MAXIMUM POWER, EFFICIENCY AND REDUNDANCY

| Model | | RM06 |
|---|---|---|
| **Power** | kVA | 6 |
| | kW | 6 |
| **Input** | Rated voltage* | 110-280 Vac |
| | Frequency | 45-70 Hz |
| | Power factor | >0.99 |
| **Output** | Rated voltage | 200/208/220/230/240 Vac selectable |
| | Voltage distortion | <2% with linear load, <7% with distorting load |
| | Voltage stability | ±1% |
| | Frequency | 50/60 Hz (selectable) |
| | Frequency stability | ≤ 0.2% (free running) |
| | Power factor | 1 |
| | Crest factor | 3:1 |
| | Waveform | Pure sine wave |
| | Output connection | Terminal blocks |
| | Overload | 105% for 10 minutes, 115% for 1 minute |
| **Efficiency** | VFI mode | Up to 94% |
| | ECO mode | Up to 98% |
| **General** | Dimensions (W x D x H) mm | 240 x 700 x 513 |
| | Weight (kg) | 53 |
| | Alarms | Audible and visual alarm alerts for: power failure, low battery, bypass transfer, and UPS fault |
| | Protection | Overload, overheating, short circuit, deep discharge, battery overcharging |
| | Operating mode | Multi-mode: VFI, ECO, frequency converter (CVCF) |
| | Cold start from the battery without mains power | Included |
| | Parallel connection | Up to 4 units for 3+1 redundancy |
| **Battery** | Battery type | 12V VRLA, AGM (maintenance-free lead) |
| | Number per string | 16 |
| | Uptime with internal \| 50% battery (in minutes) \| 100% | 16 4 |
| | Charging time (90%) | 4-6 hours |
| **Environmental parameters** | Operating temperature** | 0–40°C |
| | Relative humidity | 0%–90% (non-condensing) |
| | Altitude (a.s.l.) | <1000 m with no power derating, >1000 m with 1% derating for every 100 m |
| | Audible noise at 1 m | ≤60 dBA |
| **Connectivity** | Built-in communication ports | USB, RS232, EPO On/Off contact, and additional slots for optional cards |
| | User interface | LCD and function keys (parameters: voltage, frequency, load percentage, battery voltage, output voltage, estimated uptime, UPS temperature) |
| | Optional accessories | Cards: SNMP, RS485 ModBus, dry contact relays |
| | Compatible software platforms | Microsoft Windows, Linux, Mac OS, VMware |
| **Regulations** | Standards | IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3 |
| | Marking | CE, UKCA |

*Depending on the load. **To be verified according to the battery parameters. Specifications subject to change without notice - Rev. 2023/04.