

# ResiPOWER RM10

## Single-phase online UPS

### PRODUCT FEATURES

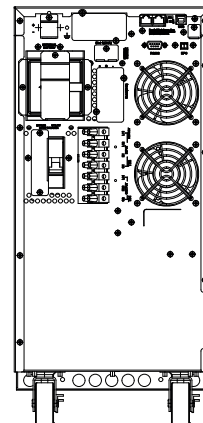
- Maximum power availability: kVA=kW
- Up to 4 units in parallel, 3 + 1 redundancy possible with parallel kit
- Low running costs: the high-efficiency VFI and ECO features minimise energy consumption
- User-friendly monitoring software can be downloaded for free and is compatible with the main operating 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		RM10
Power	kVA	10
	kW	10
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	288 x 700 x 513
	Weight (kg)	78
	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	20
	Uptime with internal battery (in minutes)	50%   11 100%   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.

