



REHLKO *PW* 1000RM

Standalone tower or rack mount single-phase uninterruptible power supply with internal or external batteries

(1–10 kVA)

Compact, convenient, *dependable* power.

For server, network, laboratory, distribution and retail applications – combining high reliability with low upfront costs to make it the perfect solution for mission critical applications.

Designed for single-phase uninterruptible power supply requirements.

Manufactured with the flexibility to meet the demands of today's critical applications, the Rehlko PW 1000RM can be used as a standalone UPS device or installed into a standard 19" rack configuration, with connectivity options available for each.

The UPS completely regenerates the utility power to correct power disturbances in the mains and provides clean AC power, with voltage and frequency independency from the mains power supply (VFI).



REHLKO PW 1000RM

- | Compact, innovative design with software-rotatable LCD display for use as tower or in 19" rack (via optional slides)
- | True online double conversion, Class 1 VFI-SS-111 topology with unity (1.0) output power factor
- | Range of output options for additional peace of mind including USB, RS232, RS485, SNMP or dry contacts
- | All models offer either internal batteries or, for longer autonomies, a matching external battery cabinet



Advanced design

- | Innovative electronic design with wide input voltage and frequency ranges provides both high efficiency and increased battery life. In addition, end-discharge voltage management prevents damaging deep discharge of batteries during a power failure.
- | Hot-swappable battery modules on both internal or external battery variants for easy on-line battery replacement.
- | Frequency converter mode.
- | Conformally coated PCBs as standard to extend operational life.

Full system support

- | Rehlko PW 1000RM models are backed by Rehlko Uninterruptible Power's commitment to quality, reliability and personalised support.

Easy installation, Convenient connectivity

- | PW 1000RM 1 kVA model is powered from a standard 13A plug, whilst power output is through 8 configurable IEC 320 C13 output sockets.
- | PW 1000RM 2-3 kVA models use a C19 connector for supply, whilst power output is through 8 x IEC 320 C13 and 1 x IEC 320 C19 output sockets.
- | PW 1000RM 6-10 kVA models use a hardwired supply and output via 2 x IEC 320 C13 sockets and terminal connections.

User-friendly operation

- | An easy-to-read LCD display provides a real-time view of all major system parameters and current status including load level, battery level, operating mode and programmable output status.

Technical specification REHLKO PW 1000RM

Capacity	1 kVA	2 kVA	3 kVA	6 kVA	10 kVA
Input					
Nominal voltage	120–295 Vac			80–275 Vac	
Frequency	44–70 Hz (50/60 Hz auto-sensing)				
Phase	Single-phase				
Power factor	>0.99				
Output					
Voltage	208/220/230/240±1% Vac (selectable on display panel)				
Voltage distortion	Linear load: <2%, Non-linear load: <3%			Linear load: <1%, Non-linear load: <4%	
Capacity	1000 VA	2000 VA	3000 VA	6000 VA	10,000 VA
Power factor	1.0				
Wave form	Pure sine wave				
Frequency	50/60±0.1 Hz (battery mode)				
Output sockets	8 x IEC 320 C13	8 x IEC 320 C13 + 1 x IEC 320 C19		2 x IEC 320 C13 + Terminal	
Crest factor	3:1				
Efficiency	Up to 92.5%	Up to 93.5%	Up to 93.8%	Up to 95.5%	Up to 95.5%
Internal battery autonomy (100% load)	3 minutes			5 minutes	1 minute
Cold start from battery	Yes				
Battery					
Type	Sealed lead acid VRLA maintenance-free				
Capacity	7 Ah	9 Ah		7 Ah	9 Ah
Internal Quantity (pcs)	3	4	6	2 x 8	2 x 8
Matching external battery modules with hot-swappable battery are available to extend autonomies.					
User Interface					
LCD display	Clear, backlit 140° visual angle display for easy access to parameters and functions including: UPS mode (mains, bypass, battery or ECO), alarm indication, programmable outlets (1–3 kVA models), AC voltage, DC voltage, frequency, temperature and load percentage. Display can be rotated 90° via menu setting.				
Buttons	Separate on / off buttons to avoid errors. Menu access button and audible alarm silence function.				
Self-diagnostics	Run on power-up and then continuously during operation				
Protection					
Overload AC mode & backup mode (delay before switching to bypass)	<115% rated load continuous 115–130% rated load for 1 minute, 131–150% rated load for 1 second, >150% rated load for 200ms			<115% rated load continuous, 115–130% rated load for 10 mins., 131–150% rated load 30s, >150% rated load 500ms	
Emergency Power Off, EPO	EPO function immediately cuts power from the connected load in the event of an emergency				
Alarms					
Audible & visual	Mains power failure, low battery, bypass transfer and UPS fault				
Physical					
UPS dimensions (mm), W x D x H	438 x 420 x 87 (2U)	438 x 570 x 87 (2U)		438 x 660 x 174 (4U)	
UPS weight, excl batteries (kg)	14	20	26	55.6	64
External battery module dimensions (mm), W x D x H	438 x 420 x 87 (2U)	438 x 570 x 87 (2U)	438 x 570 x 87 (2U)	438 x 500 x 130 (3U) (16 x 7/9 Ah)	
External battery module weight (kg)	20	29	40	45	48
Environment					
Operating temperature	–5°C to +50°C (+40°C to +50°C auto derating)				
Altitude	Up to 1000m with no derating				
Humidity	0–95%, non-condensing				
Noise	<50 dB			<55 dB	
Connectivity					
Communication ports	RS232 + EPO + USB slot (Optional SNMP, RS485 and dry contact via slot)				
Standards					
Regulatory	CE, IEC 62040-1, IEC 62040-2				



Exceptional 24/7/365
Service Support

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Rehlko is the new name for Kohler Uninterruptible Power