rehlko

REHLKO *PW* 1000RM-Li

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

(1–3 kVA)

Compact, advanced, *dependable* power.

To support mission critical applications such as servers, network, VoIP and telecommunications that require the additional advantages offered by advanced lithium-ion batteries.

Designed for demanding single-phase uninterruptible power provision

By completely regenerating the utility power to correct for disturbances, the Rehlko PW 1000RM-Li UPS provides clean "VFI" AC power independent of mains voltage and frequency variations.

With the flexibility to use in a 19" rack or as a standalone tower, the unit uses Li-ion technology to deliver increased autonomy, reduced temperature effects and longer battery life.

REHLKO PW 1000RM-Li

- 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, SNMP or dry contacts
- Internal lithium-ion batteries for enhanced performance, extended autonomy and longer service life

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.
- LFP-type lithium-ion internal batteries offering autonomy times of 11-22 minutes depending on model.
- Up to 1000 cycles of battery life and an operating temperature range of -5°C to +40°C, offering greater flexibility in deployment.

Full system support

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

Easy installation, Convenient connectivity

- Compact 2U 19" rack height design includes internal battery, minimising footprint and freeing up space for other equipment.
- PW 1000RM 1 kVA model is powered from a standard 13A plug, whilst power output is through 6 x IEC 320 C13 output sockets.
- PW 1000RM-Li 2-3 kVA models use a C19 connector for supply, whilst power output is through 6 x IEC 320 C13 and 1 x IEC 320 C19 output sockets.

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-Li**

Capacity	1 kVA	2 kVA	2.2 kVA	3 kVA
Input				
Nominal voltage	120-295 Vac (176-295Vac at full load)			
Frequency	45-66 Hz			
Phase	Single-phase			
Power factor	≥0.99			
Output				
Voltage	208-230±1% Vac			
Voltage distortion	≤5% (resistive full load)			
Capacity	1000 VA	2000 VA	2200 VA	3000 VA
Power factor	0.9			
Wave form	Pure sine wave			
Frequency	50/60±0.1 Hz (battery mode)			
Output sockets	6 x IEC 320 C13	6 x IEC 320 C13 + 1 x IEC 320 C19		
Crest factor	3:1			
Efficiency	Up to 91.5%	Up to 91.5%	Up to 92.5%	Up to 92.0%
Internal battery autonomy (100% load)	11mins.	11mins.	22mins.	11mins.
Cold start from battery	Yes			
Battery				
Type	Lithium-ion LFP type, service life up to 1000 cycles			
Voltage	24 Vdc	48 Vdc	72 Vdc	72 Vdc
Max charging current	4 Amps			
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, 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)	100% of rated load continuous, up to 130% of rated load for 5 seconds, >130% of rated load for 200ms			
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 615 x 87 (2U)	438 x 570 x 87 (2U)
UPS weight, incl internal battery (kg)	8.9	13.6	19.1	16.1
Ingress Protection (IP) rating	IP 20			
Environment				
Operating temperature	-5°C to +40°C			
Altitude	Up to 1000m with no derating			
Humidity	0-95%, non-condensing			
Noise	<55 dB			
Connectivity				
Communication ports	EPO, USB and RS232 + dry contact card. Optional SNMP card.			
Standards				
Regulatory	UL 1778, CSA C22.2, UN38.3, EN 62040-1, EN 62040-2			

Exceptional 24/7/365
Service Support

Singapore

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Rehlko is the new name for Kohler Uninterruptible Power

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