



# PRO-R Series

## PRO1000RS/RL SERIES



Local Area Network (LAN)



Telecommunication Devices



PRO-R Series is transformer-less design with slim 1U form factor, perfect to fit for data processing and transmission such as servers, networking and IP telephone services. Despite its truly compact size, just 44 mm, it offers the same intelligent performance as any other online UPS.

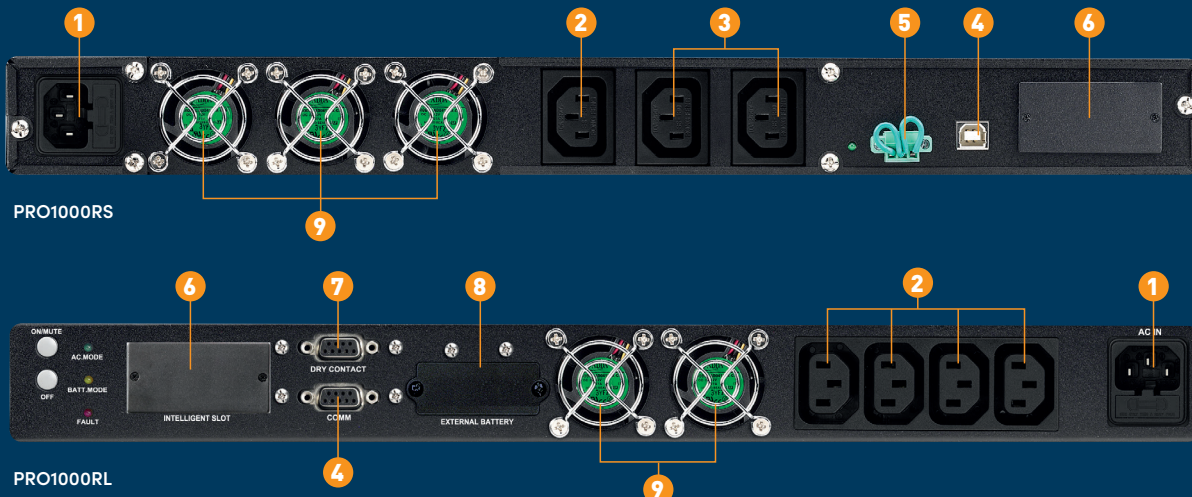
With true double-conversion technology, it provides clean, high level quality power to fully protect mission-critical devices. With Built-in master and slave output segments, PRO-R series UPS will automatically shut down the power to two slave output receptacles when the master device is no longer drawing current. Besides, it is designed with easy-replaceable battery design to simplify battery replacement within few minutes and shorten system downtime.

In addition, Emergency Power Off (EPO) function is also available the UPS models and which is used to protect the personnel and the equipment in case of fire outbreak or other types of emergency.

## Rear Panel

### 1KVA

1. AC input
2. Output receptacle: connect to mission-critical loads
3. Programmable outlets: connect to non-critical loads
4. USB/RS-232 serial communication port
5. ROO/RPO function connector
6. SNMP intelligent slot
7. Dry contact
8. External battery connector
9. Cooling fan



## Specifications

MODEL		PRO1000RS	PRO1000RL
CAPACITY		1000 VA / 800 W	
INPUT			
Voltage Range	Low Line Transfer	80VAC/70VAC/60VAC/55VAC $\pm$ 5 % or 160VAC/140VAC/120VAC/110VAC $\pm$ 5 % ( based on load percentage 100% -80 % / 80 % -70 % / 70 -60 % / 60 % -0)	
	Low Line Comeback	85VAC/75VAC/65VAC/60VAC $\pm$ 5 % or 170VAC/150VAC/130VAC/120VAC $\pm$ 5 % ( based on load percentage 100% -80 % / 80 % -70 % / 70 -60 % / 60 % -0)	
	High Line Transfer	150 VAC $\pm$ 5 % or 300 VAC $\pm$ 5 %	
	High Line Comeback	140 VAC $\pm$ 5 % or 290 VAC $\pm$ 5 %	
Frequency Range		40Hz ~ 70 Hz	
Phase		Single phase with ground	
Power Factor		$\geq$ 0.99 @ Nominal voltage (full load)	
OUTPUT			
Output voltage		110/120 VAC or 220/230/240 VAC	
AC Voltage Regulation		$\pm$ 1%	
Frequency Range (Synchronized Range)		57 ~ 63 Hz or 47 ~ 53 Hz	
Frequency Range (Bat. Mode)		60Hz or 50 Hz $\pm$ 0.3 Hz	
Overload		100%~105%: audible warning 105%~130%: UPS shuts down in 10 seconds at battery mode or transfers to bypass mode after 2min when the utility is normal. >130%: UPS shuts down immediately at battery mode or transfer to bypass mode after 10s when the utility is normal.	
Current Crest Ratio		5:1 for 110/120 VAC system or 3:1 for 220/230/240 VAC systems	
Harmonic Distortion		$\leq$ 3 % THD (Linear Load) $\leq$ 5 % THD (Non-linear Load)	
Transfer Time	AC Mode to Bat Mode	Zero	
	Inverter to Bypass	4 ms (Typical)	
Waveform (Bat Mode)		Pure Sinewave	
EFFICIENCY			
AC Mode		~ 86% @ 100% load	
Battery Mode		~ 83% @ 100% load	
BATTERY			
Battery Type	6 V / 9 AH	Lithium-iron battery or Sealed Lead-acid battery (Battery voltage: 48VDC)	
Numbers	4		
Recharge Time	9 hours recover to 90% capacity		
PHYSICAL			
Dimension, D X W X H (mm)	477 x 438 x 44	300 x 438 x 44	
Net Weight (kg)	12.6	6	
ENVIRONMENT			
Operation Humidity	20-90 % RH @ 0-50°C (non-condensing)	20-90 % RH @ 0-55°C (non-condensing)	
Noise Level	Less than 50dBA @ 1 Meter		
MANAGEMENT			
USB/RS-232	Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux, Unix and MAC		
Optional SNMP	Power management from SNMP manager and web browser		

\*1KL is only available in 220/230/240VAC system.

Product specifications are subject to change without further notice

Authorised Distributor/ Reseller:

Compatible with:



System Requirements:  
Windows XP/Vista/7/8/10, Mac, Linux