

# Professional II Series (1P/1P) Rack/Tower Type

PRO900-WRS/WRL SERIES | 1-10kVA, p.f 0.8



CCTV & Security Systems



Local Area Network (LAN)



Work-Stations



Servers



Prolink **Professional II Series (1P/1P) Rack/Tower** is a single-phase UPS system using microprocessor controlled true online double conversion technology and it can be used to provide protection for critical loads especially on IT applications. High input power factor correction in the system improves efficiency and reduces overall losses.

Users can easily monitor and access to their UPS status from a comprehensive LCD display. Both Tower and Rack Types of UPS systems have USB and RS-232 communication ports as standard, with a built-in intelligent slot for additional adapters, protocol converters and relay contact cards. SNMP option is also available for power management via SNMP manager and web browser.

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

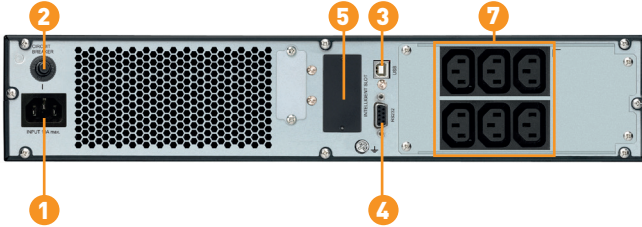
## Key Features

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.8
- Wide input voltage (110 V – 300 V)
- Converter mode available
- ECO mode for energy saving (Only available for 1-3KVA model)
- Generator compatible
- Smart SNMP works well with either USB or RS-232 together
- Emergency power off function (EPO)
- Optional isolation transformer available

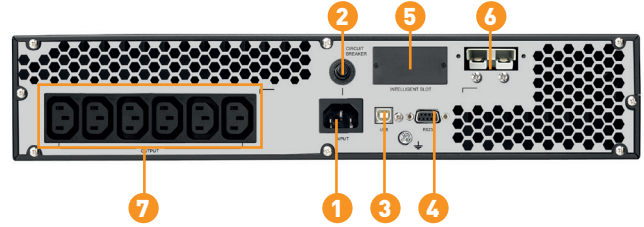
## Rear Panel

### 1-3KVA

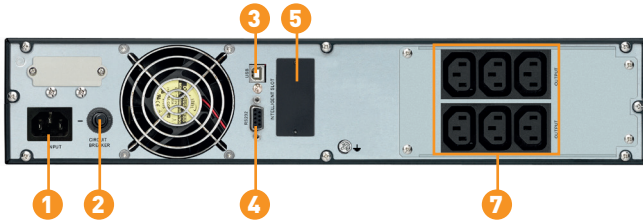
- |                              |   |
|------------------------------|---|
| 1. AC input                  | 5. Intelligent slot   |
| 2. Input circuit breaker     | 6. External battery connection (only available for L model) |
| 3. USB communication port    | 7. Output receptacles                                       |
| 4. RS-232 communication port | 8. Output terminal  |



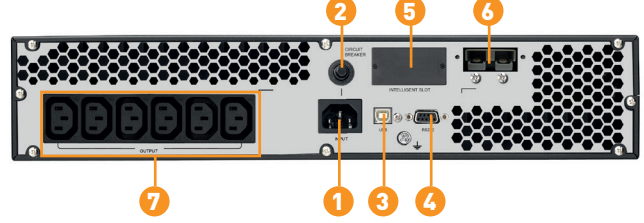
PRO901-WRS



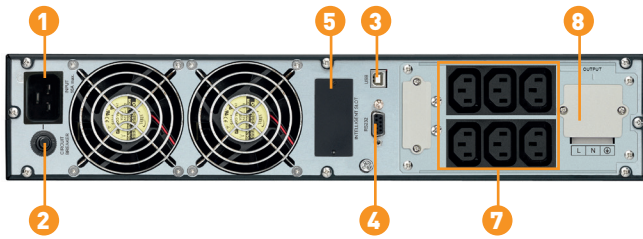
PRO901-WRL



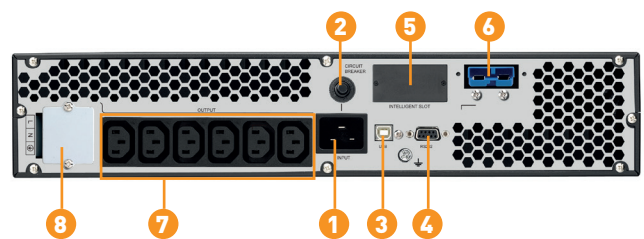
PRO902-WRS



PRO902-WRL



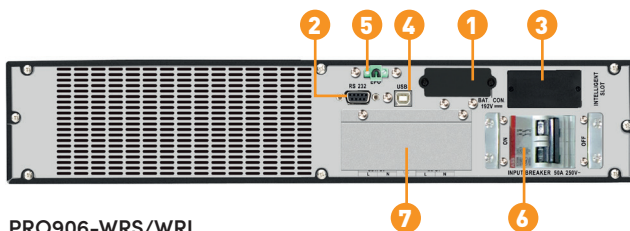
PRO903-WRS



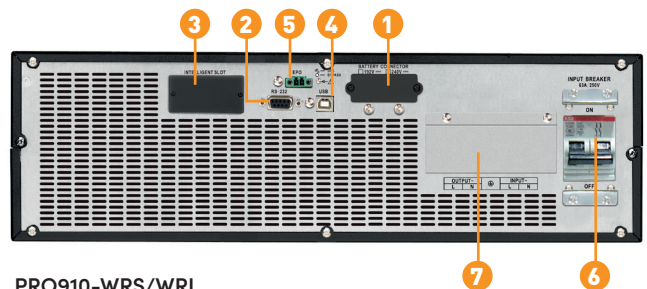
PRO903-WRL

### 6-10KVA

- |                               |   |
|-------------------------------|---|
| 1. External battery connector | 5. Emergency power off function connector (EPO connector) |
| 2. RS-232 communication port  | 6. Input circuit breaker                                  |
| 3. Intelligent slot           | 7. Input/Output terminal                                  |
| 4. USB communication port     |   |



PRO906-WRS/WRL



PRO910-WRS/WRL



## Specifications

MODEL	PRO901-WRS/WRL	PRO902-WRS/WRL	PRO903-WRS/WRL	PRO906-WRS/WRL	PRO910-WRS/WRL						
PHASE	Single phase with ground										
CAPACITY	1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W	6000 VA / 4800 W	10000 VA / 8000 W						
<b>INPUT</b>											
Nominal Voltage	200/208/220/230/240VAC			208/220/230/240VAC							
Input Voltage Range	110-300 VAC at 50% load 160-280 VAC at 100% load			110-300 VAC ± 3% at 50% Load 176-300 VAC ± 3% at 100% Load							
Frequency Range	40Hz ~ 70 Hz			46Hz ~ 54 Hz or 56Hz ~ 64 Hz							
Power Factor	≥ 0.99 @ Nominal Voltage (100% load)										
<b>OUTPUT</b>											
Output Voltage	200/208/220/230/240VAC			208/220/230/240VAC							
Voltage Regulation	± 1%			± 1%							
Frequency Range (Synchronized Range)	47~ 53 Hz or 57 ~ 63 Hz			46Hz ~ 54 Hz or 56Hz ~ 64 Hz							
Frequency Range (Batt. Mode)	50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz			50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz							
Current Crest Ratio	3:1										
Harmonic Distortion	≤ 3 % THD (Linear Load), ≤ 6 % THD (Non-linear Load)			≤ 3 % THD (Linear Load), ≤ 5 % THD (Non-linear Load)							
Transfer Time	AC Mode to Battery Mode	Zero			0 ms						
	Inverter to Bypass	4 ms (Typical)			0 ms						
Waveform (Batt. Mode)	Pure Sinewave										
<b>EFFICIENCY</b>											
AC Mode	88%	89%	90%	92%	93%						
Battery Mode	83%	87%	88%	90%	91%						
<b>BATTERY</b>											
Standard Model	Battery Type	12 V / 9 AH		12 V / 9 AH		12 V / 9 AH		12 V / 9 AH			
	Numbers	2		4		6		16			
	Typical Recharge Time	4 hours recover to 90% capacity				9 hours recover to 90% capacity					
	Charging Current	1.0 A				1A/2A (Adjustable)					
	Charging Voltage	27.4VDC ± 1%		54.7 VDC ±1%		82.1 VDC ±1%		218.4VDC ± 1%			
Long-run Model	Battery Type	Depending on the capacity of external batteries						Depending on applications			
	Numbers	2	3	4	6	8	6	8	16 - 20 pcs (Adjustable)		
	Charging Current (max.)	1.0A/2.0A/4.0A/6.0 A						1A/2A/4A/6A (Adjustable, 6A is only available for 16pcs batteries)			
	Charging Voltage	27.4VDC ± 1%	41.0VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	109.4VDC ±1%	82.1 VDC ±1%	109.4VDC ±1%	218.4 VDC ± 1% (Based on 16pcs batteries)		
<b>INDICATORS</b>											
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions										
<b>ALARM</b>											
Battery Mode	Sounding every 4 seconds										
Low Battery	Sounding every second										
Overload	Sounding twice every second										
Fault	Continuously sounding										
<b>PHYSICAL</b>											
Standard Model	Dimension, D x W x H (mm)	310 x 438 x 88 [2U]		410 x 438 x 88 [2U]		630 x 438 x 88 [2U]		UPS Unit: 530x438x88 [2U] Battery Pack: 668x438x88 [2U]		UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133[3U]	
	Net Weight (kgs)	12		19		29.3		UPS Unit: 15 Battery Pack: 48		UPS Unit: 18 Battery Pack: 51	
Long-run Model*	Dimension, D x W x H (mm)	310 x 438 x 88 [2U]		410 x 438 x 88 [2U]		630 x 438 x 88 [2U]		530 x 438 x 88 [2U]		580 x 438 x 133 [3U]	
	Net Weight (kgs)	9		12		14.2		15		18	
<b>ENVIRONMENT</b>											
Humidity	20-90 % RH @ 0- 40°C (non-condensing)				0-95 % RH @ 0- 40°C (non-condensing)						
Noise Level	Less than 50dB @ 1 Meter				Less than 55dB @ 1 Meter   Less than 58dB @ 1 Meter						
<b>MANAGEMENT</b>											
Smart RS-232 / USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC										
Optional SNMP	Power management from SNMP manager and web browser										
<b>COMPLIANCE STANDARDS</b>											
Safety	IEC/EN 62040-1										
EMC	IEC/EN 62040-2										
Performance	IEC/EN 62040-3										

\*Long-run model is only available for 200/208/220/230/240VAC systems.

\*\*Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 200/208VAC.

Product specifications are subject to change without further notice.

100/110/115/120/127VAC input and output is available as an option for 1~3KVA

Ver1.1\_4.08.2021

Authorised Distributor/ Reseller:

Compatible with:



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