

Professional II Series (1P/1P)-Tower

PRO900-WS/WL SERIES | 1-10kVA, p.f 0.8



CCTV & Security Systems



Local Area Network (LAN)



Work-Stations



Servers



ATM

Prolink **Professional II Series (1P/1P)** 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
- Optional Emergency Power Off function [EPO]

Rear Panel

1-3KVA

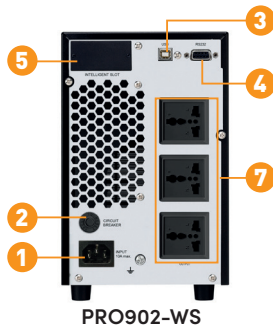
1. AC input
2. Input circuit breaker
3. USB communication port
4. RS-232 communication port

5. Intelligent slot
6. External battery connection (only available for L model)

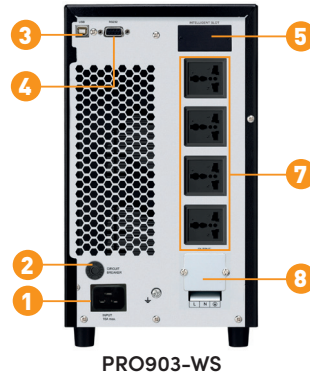
7. Output receptacles
8. Output terminal



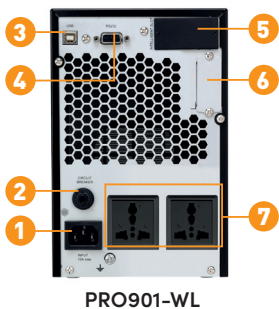
PRO901-WS



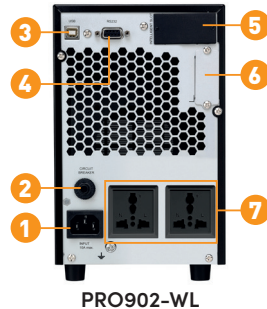
PRO902-WS



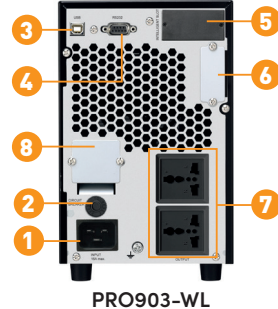
PRO903-WS



PRO901-WL



PRO902-WL

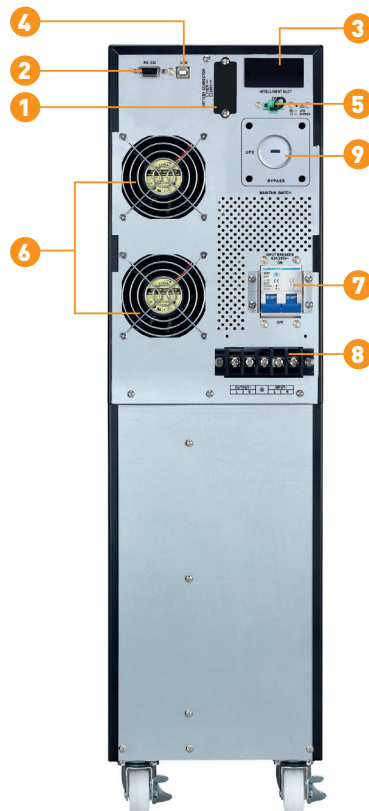


PRO903-WL

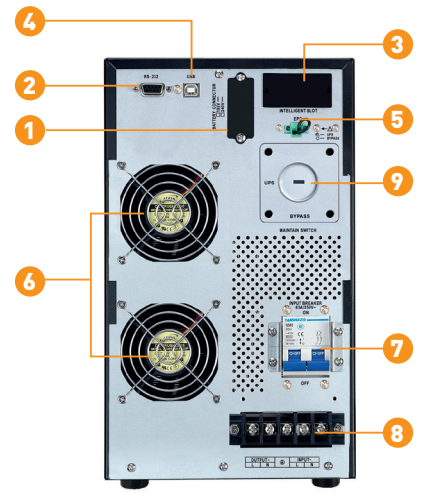
Note : IEC/NEMA/Schuko outlets options are also available.

6-10KVA

1. External battery connector
2. RS-232 communication port
3. Intelligent slot
4. USB Communication port
5. Emergency power off function connector (EPO connector)
6. Cooling fan
7. Input circuit breaker
8. Input/Output terminal
9. Maintenance bypass switch (Optional)



PRO906-WS / PRO910-WS



PRO906-WL / PRO910-WL



Specifications

MODEL	PRO901-WS/WL		PRO902-WS/WL			PRO903-WS/WL		
PHASE	Single phase with ground							
CAPACITY*	1000 VA / 800 W		2000 VA / 1600 W			3000 VA / 2400 W		
INPUT								
Nominal Voltage	200/208/220/230/240VAC							
Input Voltage Range	110-300 VAC (Based on load at 50%) 160-280VAC (Based on load at 100%)							
Frequency Range	40 Hz ~ 70 Hz							
Power Factor	≥ 0.99 @ Nominal Voltage (100% load)							
OUTPUT								
Output Voltage	200/208/220/230/240VAC							
Voltage Regulation	± 1 %							
Frequency Range (Synchronized Range)	47~ 53 Hz or 57 ~ 63 Hz							
Frequency Range (Batt. Mode)	50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz							
Current Crest Ratio	3:1							
Harmonic Distortion	≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)							
Transfer Time	AC Mode to Battery Mode	Zero						
	Inverter to Bypass	4 ms (Typical)						
Waveform (Batt. Mode)	Pure Sinewave							
EFFICIENCY								
AC Mode	88%		88%			90%		
Battery Mode	83%		87%			88%		
BATTERY								
Standard Model	Battery Type	12 V / 9 Ah		12 V / 9 Ah			12 V / 9 Ah	
	Numbers	2		4			6	
	Typical Recharge Time	4 hours recover to 90% capacity						
	Charging Current (max.)	1 A						
	Charging Voltage	27.4VDC ± 1%		54.7 VDC ±1%			82.1 VDC ±1%	
Long-run Model**	Battery Type	Depending on the capacity of external batteries						
	Numbers	2	3	4	6	8	6	8
	Charging Current (max.)	1A/2A/4A/6A (Adjustable)						
	Charging Voltage	27.4 VDC ± 1%	41.0 VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	109.4 VDC ±1%	82.1 VDC ±1%	109.4 VDC ±1%
INDICATORS								
LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators							
ALARM								
Battery Mode	Sounding every 4 seconds							
Low Battery	Sounding every second							
Overload	Sounding twice every second							
Fault	Continuously sounding							
PHYSICAL								
Standard Model	Dimension, DxWxH (mm)	282 x 145 x 220		397 x 145 x 220			421 x 190 x 318	
	Net Weight (kgs)	9.8		17			27.6	
Long-run Model**	Dimension, DxWxH (mm)	282 x 145 x 220		397 x 145 x 220				
	Net Weight (kgs)	4.1		6.8			7.4	
ENVIRONMENT								
Humidity	20-90 % RH @ 0- 40°C (Non-condensing)							
Noise Level	Less than 50dB @ 1 Meter							
SURGE PROTECTION AND FILTERING								
Surge Energy Rating (Joules)	625J							
MANAGEMENT								
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							
COMPLIANCE STANDARDS								
Safety	IEC/EN 62040-1							
EMC	IEC/EN 62040-2							
Performance	IEC/EN 62040-3							

*1-3KVA: Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 200/208VAC.

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

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



Specifications

MODEL	PRO906-WS/WL	PRO910-WS/WL	
PHASE	Single phase with ground		
CAPACITY *	6000VA / 4800W	10000 VA / 8000 W	
INPUT			
Nominal Voltage	208/220/230/240VAC		
Input Voltage Range	110-300 VAC (Based on load at 50%) 176-300 VAC (Based on load at 100%)		
Frequency Range	46~54 Hz or 56~64 Hz		
Power Factor	≥ 0.99 @ Nominall Voltage (100% load)		
OUTPUT			
Output Voltage	208/220/230/240VAC		
Voltage Regulation	± 1 %		
Frequency Range (Synchronized Range)	46~54 Hz or 56~64 Hz		
Frequency Range (Batt. Mode)	50 Hz or 60Hz ± 0.1 Hz		
Current Crest Ratio	3:1		
Harmonic Distortion	≤ 3 % THD (Linear Load) ≤ 5 % THD (Non-linear Load)		
Transfer Time	AC Mode to Battery Mode	Zero	
	Inverter to Bypass	Zero	
Waveform (Batt. Mode)	Pure Sinewave		
EFFICIENCY			
AC Mode	92%	93%	
Battery Mode	90%	91%	
BATTERY			
Standard Model	Battery Type	12 V / 9 Ah	
	Numbers	16	
	Typical Recharge Time	9 hours recover to 90% capacity	
	Charging Current (max.)	1 A / 2 A	
	Charging Voltage	218.4 VDC ±1%	
Long-run Model **	Battery Type	Depending on the capacity of external batteries	
	Numbers	16 ~ 20 (Adjustable)	
	Charging Current (max.)	1A/2A/4A/6A (Adjustable, 6A is only available for 16pcs batteries)	
	Charging Voltage	273 VDC ±1% (Based on 20pcs batteries)	
INDICATORS			
LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators		
ALARM			
Battery Mode	Sounding every 4 seconds		
Low Battery	Sounding every second		
Overload	Sounding twice every second		
Fault	Continuously sounding		
PHYSICAL			
Standard Model	Dimension, DxWxH (mm)	369 x 190 x 688	442 x 190 x 688
	Net Weight (kgs)	61	66
Long-run Model **	Dimension, DxWxH (mm)	369 x 190 x 318	442 x 190 x 318
	Net Weight (kgs)	12	16
ENVIRONMENT			
Humidity	0-95% RH @ 0-40°C (non-condensing)	0-95% RH @ 0-40°C (non-condensing)	
Noise Level	Less than 55dB @ 1 Meter	Less than 58dB @ 1 Meter	
SURGE PROTECTION AND FILTERING			
Surge Energy Rating (Joules)	1080J		
MANAGEMENT			
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		
COMPLIANCE STANDARDS			
Safety	IEC/EN 62040-1		
EMC	IEC/EN 62040-2		
Performance	IEC/EN 62040-3		

6-10KVA: Derate to 60% of capacity in Frequency converter mode and to 90% when the output voltage is adjusted to 208VAC.

Product specifications are subject to change without further notice.

20 blocks battery option is available for 6/10KVA Standard models

Ver1.0_04.08.2021

Authorised Distributor/ Reseller:

Compatible with:



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