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

PRO900-ESI SERIES | 1~3kVA, p.f 0.9 (with ISO TX)

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.

Galvanic isolation transformer is provided for electrical isolation between UPS output and load. It is also used to protect against electric shock, to suppress electrical noise in sensitive devices.

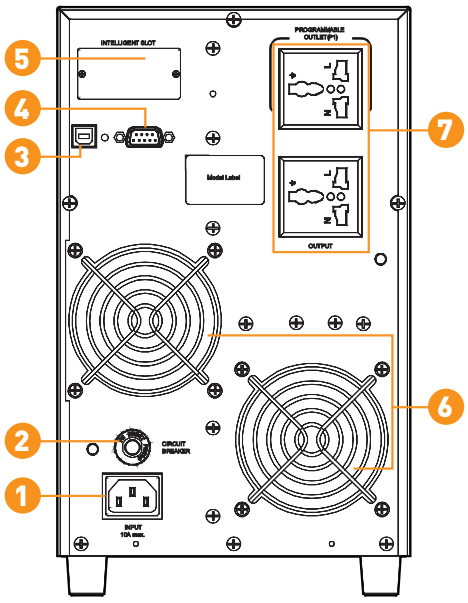
Key Features

- **True double-conversion**
- **Built-in output isolation transformer**
- **Microprocessor control optimizes reliability**
- **Input power factor correction**
- **Output power factor 0.9**
- **Wide input voltage (110 V – 300 V)**
- **Converter mode available**
- **ECO mode for energy saving**
- **Generator compatible**
- **Smart SNMP works well with either USB or RS-232 together**
- **Emergency Power Off function [EPO] (Optional)**

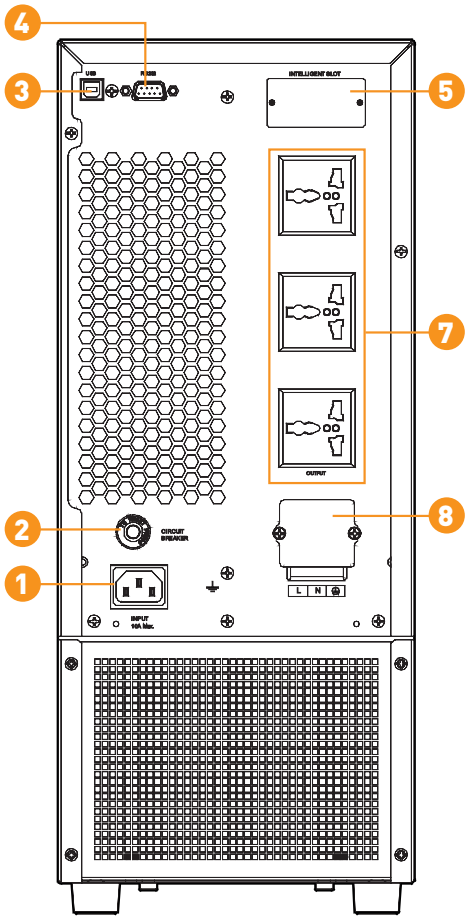
Rear Panel

1-3KVA

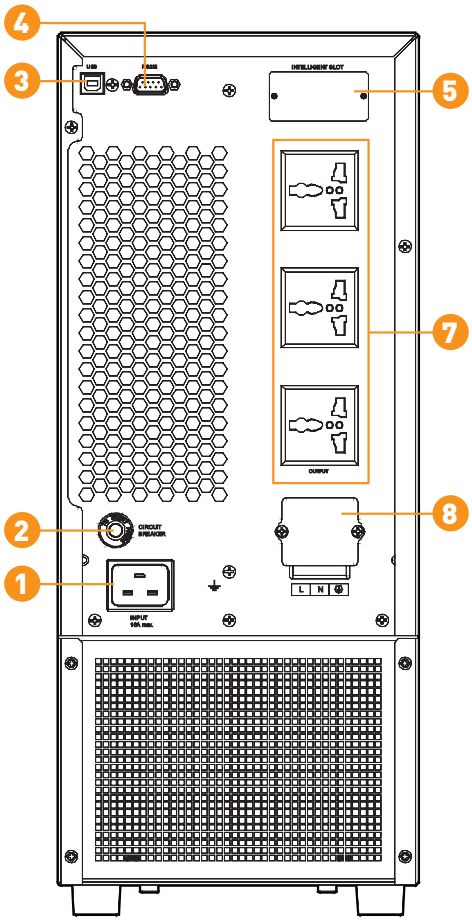
1. AC input
2. Input circuit breaker
3. USB communication port
4. RS-232 communication port
5. Intelligent slot
6. Cooling fan
7. Output receptacles
8. Output terminal



PRO901-ESI



PRO902-ESI



PRO903-ESI

Specifications

MODEL		PRO901-ESI	PRO902-ESI	PRO903-ESI
PHASE		Single phase with ground		
CAPACITY *		1000 VA / 900 W	2000 VA / 1800 W	3000 VA / 2700 W
INPUT				
Nominal Voltage		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 @ Nominall Voltage (100% load)		
OUTPUT				
Output Voltage		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		
Isolation Transformer		Built-in		
EFFICIENCY				
AC Mode		82.5%	84%	85%
Battery Mode		76.5%	80%	85%
ECO Mode		89%		
BATTERY				
Standard Model	Battery Type	12 V / 10 Ah	12 V / 10 Ah	12 V / 10 Ah
	Numbers	2 x 2	6	8
	Typical Recharge Time	4 hours recover to 90% capacity		
	Charging Current (max.)	1 A		
	Charging Voltage	27.4 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)	400 x 180 x 280	421 x 190 x 448	421 x 190 x 448
	Net Weight (kgs)	27	50.3	56.5
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 208VAC.
Product specifications are subject to change without further notice.

Authorised Distributor/ Reseller:

Compatible with: Windows Mac OS Linux