

Professional II+ Series Rack/Tower Type

PRO900-ERS/ERL SERIES | 1-10kVA, p.f 0.9



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

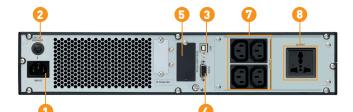
- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.9
- Wide input voltage (110 V 300 V)
- Converter mode available
- ECO mode for energy saving (Only available for 1-3KVA model)
- Generator compatible
- Smart SNMP works well with either USB or RS-232 together
- Emergency power off function (EPO) (Optional for 1~3kVA, Built-in for 6/10kVA)

prolink

Rear Panel

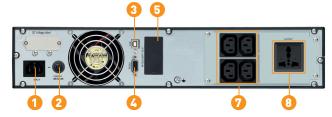
1-3KVA

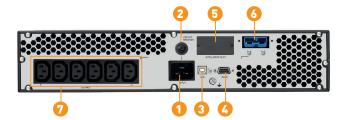
- 1. AC input
- 2. Input circuit breaker
- 3. USB communication port
- 4. RS-232 communication port
- 5. Intelligent slot
- 6. External battery connection (only available for L model)
- 7. Output receptacles (IEC C13)
- 8. Output receptacle (Universal outlet)
- 9. Output receptacle (IEC C19)





PRO901-ERL

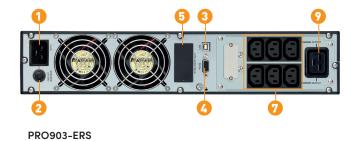


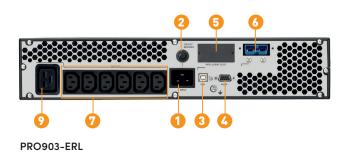


PRO902-ERL

PRO902-ERS

PRO901-ERS



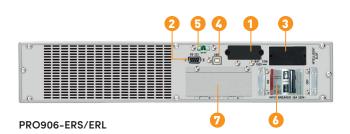


6-10KVA

- 1. External battery connector (Only available for L model)
- 2. RS-232 communication port
- 3. Intelligent slot
- 4. USB communication port



7. Input/Output terminal



 3
 2
 5
 1

 Image: Constraint of the state of the state

prolink



Specifications

		PRO901-ERS/ERL	PRO902-ERS/ERL	PRO903-ERS/ERL	PRO906-ERS/ERL	PRO910-ERS/ERL
PHASE			Sir	ngle phase with ground		
CAPACIT	Y	1000 VA / 900 W	2000 VA / 1800 W	3000 VA / 2700 W	6000 VA / 5400 W	10000 VA / 9000 W
INPUT						
Nominal Voltage		200/208/220/230/240VAC			208/220/230/240VAC	
Input Voltage Range		110-300 VAC at 50% load			110-300 VAC ± 3% at 50% Load	
Frequency Range		160-280 VAC at 100% load 40Hz ~ 70 Hz			176-300 VAC ± 3% at 100% Load 46Hz ~ 54 Hz or 56Hz ~ 64 Hz	
Power Fac						JI 50HZ ~ 04 HZ
OUTPUT	CLOF		≧ 0.99 @	Nominal Voltage (100% loa	ad)	
Output Voltage		200/208/220/230/240VAC			208/220/230/240VAC	
Voltage Re	•	± 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			$50 \text{ Hz} \pm 0.1 \text{ Hz} \text{ or } 60 \text{ Hz} \pm 0.1 \text{ Hz}$	
Current Cr			50 HZ I 0.25 HZ 01 00HZ I 0.5 F	3:1	50 HZ I 0.1 HZ 0	
			\leq 3 % THD (Linear Load),	0.1	<3 % THD (Linear Load)
Harmonic Distortion Transfer Time AC Mode to Battery Mode Inverter to Bypass Waveform (Batt. Mode)		$\ge 3 \%$ THD (Linear Load), $\le 6 \%$ THD (Non-linear Load)			\leq 3 % THD (Linear Load), \leq 5 % THD (Non-linear Load)	
		Zero			0 ms	
		4 ms (Typical)			0 ms	
		Pure Sinewave				
EFFICIEN						
AC Mode		88%	89%	90%	92%	93%
Battery Mo		83%	87%	88%	90%	91%
BATTERY						
	Battery Type	12 V / 9 AH	12 V / 9 AH	12 V / 9 AH	12 V	/ 9 AH
	Numbers	2	4	6	16	
Standard Model	Typical Recharge Time		4 hours recover to 90% capacit	у	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%	
	Battery Type	Depen	ding on the capacity of external	batteries	Depending on applications	
Long-run Model	Numbers	3	6	6	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	41.0VDC ± 1%	82.1 VDC	82.1 VDC ±1%	218.4 VDC ± 1% (Based on 16pcs batteries)	
		1 70	±1%			
INDICATO		1 70	±1%			
INDICATO	DRS		±1% status, Load level, Battery level, I	Input/Output voltage, Discha	arge timer, and Fault condi	tions
	DRS			Input/Output voltage, Disch	arge timer, and Fault condi	tions
LCD Pane ALARM Battery Mo	ode		itatus, Load level, Battery level, Soi	unding every 4 seconds	arge timer, and Fault condi	tions
LCD Pane ALARM Battery Mo Low Batte	ode		itatus, Load level, Battery level, I Soi S	unding every 4 seconds ounding every second	arge timer, and Fault condi	tions
LCD Pane ALARM Battery Mo Low Batter Overload	ode		status, Load level, Battery level, I Soi S Sour	unding every 4 seconds ounding every second nding twice every second	arge timer, and Fault condi	tions
LCD Pane ALARM Battery Mo Low Batter Overload Fault	ode		status, Load level, Battery level, I Soi S Sour	unding every 4 seconds ounding every second	arge timer, and Fault condi	tions
LCD Pane ALARM Battery Mo Low Batter Overload Fault	ode		status, Load level, Battery level, I Soi S Sour	unding every 4 seconds ounding every second nding twice every second		
LCD Pane ALARM Battery Mo Low Batter Overload Fault PHYSICA Standard	ode		status, Load level, Battery level, I Soi S Sour	unding every 4 seconds ounding every second nding twice every second	UPS Unit: 530x438x88[2U] Battery Pack: 668x438x88[2U]	tions UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133[3U]
LCD Pane ALARM Battery Mo Low Batter Overload Fault PHYSICA	ode I L	UPS s	itatus, Load level, Battery level, I Soi S Sour C	unding every 4 seconds ounding every second nding twice every second continuously sounding	UPS Unit: 530x438x88[2U] Battery Pack:	UPS Unit: 580x438x133[3U] Battery Pack:
LCD Pane ALARM Battery Mo Low Batter Overload Fault PHYSICA Standard	DRS ode ery L Dimension, D x W x H (mm)	UPS s	tatus, Load level, Battery level, Sou Sour C 410 x 438 x 88 [2U]	unding every 4 seconds ounding every second ding twice every second continuously sounding 630 x 438 x 88 [2U] 29.3	UPS Unit: 530x438x88[2U] Battery Pack: 668x438x88[2U] UPS Unit: 15	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133[3U] UPS Unit: 18 Battery Pack: 51
LCD Pane ALARM Battery Mo Low Batter Overload Fault PHYSICA Standard Model	DRS ode rry L Dimension, D x W x H (mm) Net Weight (kgs)	UPS s 310 x 438 x 88 [2U] 12	ttatus, Load level, Battery level, Sou Sour C 410 x 438 x 88 [2U] 19	unding every 4 seconds ounding every second ding twice every second continuously sounding 630 x 438 x 88 [2U] 29.3	UPS Unit: 530x438x88[2U] Battery Pack: 668x438x88[2U] UPS Unit: 15 Battery Pack: 48	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133[3U] UPS Unit: 18
LCD Pane ALARM Battery Mt Low Batter Overload Fault PHYSICA Standard Model Long-run	L Dimension, D x W x H (mm) Net Weight (kgs) Dimension, D x W x H (mm) Net Weight (kgs)	UPS s 310 x 438 x 88 [2U] 12 310 x 438 x 88 [2U]	tatus, Load level, Battery level, Sou Sour C 410 x 438 x 88 [2U] 19 410 x 438 x	unding every 4 seconds ounding every second ding twice every second continuously sounding 630 x 438 x 88 [2U] 29.3 88 [2U]	UPS Unit: 530x438x88[2U] Battery Pack: 668x438x88[2U] UPS Unit: 15 Battery Pack: 48 530 x 438 x 88 [2U]	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133[3U] UPS Unit: 18 Battery Pack: 51 580 x 438 x 133 [3U]
LCD Pane ALARM Battery Mc Low Batter Overload Fault PHYSICA Standard Model Long-run Model*	L Dimension, D x W x H (mm) Net Weight (kgs) Dimension, D x W x H (mm) Net Weight (kgs)	UPS s 310 x 438 x 88 [2U] 12 310 x 438 x 88 [2U] 9	tatus, Load level, Battery level, Sou Sour C 410 x 438 x 88 [2U] 19 410 x 438 x	unding every 4 seconds ounding every second inding twice every second continuously sounding 630 x 438 x 88 [2U] 29.3 88 [2U] 14.2	UPS Unit: 530x438x88[2U] Battery Pack: 668x438x88[2U] UPS Unit: 15 Battery Pack: 48 530 x 438 x 88 [2U] 15	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133[3U] UPS Unit: 18 Battery Pack: 51 580 x 438 x 133 [3U]
LCD Pane ALARM Battery Mc Low Batter Overload Fault PHYSICA Standard Model Long-run Model* ENVIRON	L Dimension, D x W x H (mm) Net Weight (kgs) Dimension, D x W x H (mm) Net Weight (kgs) MENT	UPS s 310 x 438 x 88 [2U] 12 310 x 438 x 88 [2U] 9	tatus, Load level, Battery level, Sor Sour 410 x 438 x 88 [2U] 19 410 x 438 x 12	unding every 4 seconds ounding every second inding twice every second continuously sounding 630 x 438 x 88 [2U] 29.3 88 [2U] 14.2	UPS Unit: 530x438x88[2U] Battery Pack: 668x438x88[2U] UPS Unit: 15 Battery Pack: 48 530 x 438 x 88 [2U] 15	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133[3U] UPS Unit: 18 Battery Pack: 51 580 x 438 x 133 [3U] 18 °C (non-condensing)
LCD Pane ALARM Battery Mc Low Batter Overload Fault PHYSICA Standard Model Long-run Model* ENVIRON Humidity Noise Leve	L Dimension, D x W x H (mm) Net Weight (kgs) Dimension, D x W x H (mm) Net Weight (kgs) MENT	UPS s 310 x 438 x 88 [2U] 12 310 x 438 x 88 [2U] 9	tatus, Load level, Battery level, Sou Sour C 410 x 438 x 88 [2U] 19 410 x 438 x 12 20 % RH @ 0- 40°C (non-condet	unding every 4 seconds ounding every second inding twice every second continuously sounding 630 x 438 x 88 [2U] 29.3 88 [2U] 14.2	UPS Unit: 530x438x88[2U] Battery Pack: 668x438x88[2U] UPS Unit: 15 Battery Pack: 48 530 x 438 x 88 [2U] 15 0-95 % RH @ 0- 40	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133[3U] UPS Unit: 18 Battery Pack: 51 580 x 438 x 133 [3U] 18 °C (non-condensing)
LCD Pane ALARM Battery Mc Low Batter Overload Fault PHYSICA Standard Model Long-run Model* ENVIRON Humidity Noise Lew SURGE P	L Dimension, D x W x H (mm) Net Weight (kgs) Dimension, D x W x H (mm) Net Weight (kgs) IMENT	UPS s 310 x 438 x 88 [2U] 12 310 x 438 x 88 [2U] 9	tatus, Load level, Battery level, Sou Sour C 410 x 438 x 88 [2U] 19 410 x 438 x 12 20 % RH @ 0- 40°C (non-condet	unding every 4 seconds ounding every second inding twice every second continuously sounding 630 x 438 x 88 [2U] 29.3 88 [2U] 14.2	UPS Unit: 530x438x88[2U] Battery Pack: 668x438x88[2U] UPS Unit: 15 Battery Pack: 48 530 x 438 x 88 [2U] 15 0-95 % RH @ 0- 40	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133[3U] UPS Unit: 18 Battery Pack: 51 580 x 438 x 133 [3U] 18 °C (non-condensing) Less than 58dB @ 1 Met
LCD Pane ALARM Battery Mc Low Batter Overload Fault PHYSICA Standard Model Long-run Model* ENVIRON Humidity Noise Lew SURGE P	L Dimension, D x W x H (mm) Net Weight (kgs) Dimension, D x W x H (mm) Net Weight (kgs) IMENT rel ROTECTION AND FILTERING ergy Rating (Joules)	UPS s 310 x 438 x 88 [2U] 12 310 x 438 x 88 [2U] 9	tatus, Load level, Battery level, Sor Sour C 410 x 438 x 88 [2U] 19 410 x 438 x 12 00 % RH @ 0- 40°C (non-conder Less than 50dB @ 1 Meter	unding every 4 seconds ounding every second inding twice every second continuously sounding 630 x 438 x 88 [2U] 29.3 88 [2U] 14.2	UPS Unit: 530x438x88[2U] Battery Pack: 668x438x88[2U] UPS Unit: 15 Battery Pack: 48 530 x 438 x 88 [2U] 15 0-95 % RH @ 0- 40 Less than 55dB @ 1 Meter	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133[3U] UPS Unit: 18 Battery Pack: 51 580 x 438 x 133 [3U] 18 °C (non-condensing) Less than 58dB @ 1 Met
LCD Pane ALARM Battery Mc Low Batter Overload Fault PHYSICA Standard Model Long-run Model* ENVIRON Humidity Noise Lew SURGE PI Surge Ene MANAGE	L Dimension, D x W x H (mm) Net Weight (kgs) Dimension, D x W x H (mm) Net Weight (kgs) IMENT rel ROTECTION AND FILTERING ergy Rating (Joules)	UPS s 310 x 438 x 88 [2U] 12 310 x 438 x 88 [2U] 9 20-5	tatus, Load level, Battery level, Sor Sour C 410 x 438 x 88 [2U] 19 410 x 438 x 12 00 % RH @ 0- 40°C (non-conder Less than 50dB @ 1 Meter	unding every 4 seconds ounding every second ding twice every second continuously sounding 630 x 438 x 88 [2U] 29.3 88 [2U] 14.2 nsing)	UPS Unit: 530x438x88[2U] Battery Pack: 668x438x88[2U] UPS Unit: 15 Battery Pack: 48 530 x 438 x 88 [2U] 15 0-95 % RH @ 0- 40 Less than 55dB @ 1 Meter 108	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133[3U] UPS Unit: 18 Battery Pack: 51 580 x 438 x 133 [3U] 18 °C (non-condensing) Less than 58dB @ 1 Met
LCD Pane ALARM Battery Mc Low Batter Overload Fault PHYSICA Standard Model Long-run Model* ENVIRON Humidity Noise Lev SURGE PI Surge Ene MANAGE Smart RS-	L Dimension, D x W x H (mm) Net Weight (kgs) Dimension, D x W x H (mm) Net Weight (kgs) MENT rel ROTECTION AND FILTERING ergy Rating (Joules) MENT -232 / USB	UPS s 310 x 438 x 88 [2U] 12 310 x 438 x 88 [2U] 9 20-5	tatus, Load level, Battery level, Sor Sour C 410 x 438 x 88 [2U] 19 410 x 438 x 88 [2U] 20 % RH @ 0- 40°C (non-conder Less than 50dB @ 1 Meter 625J pports Windows [®] 2000/2003.	Anding every 4 seconds ounding every second ding twice every second continuously sounding 630 x 438 x 88 [2U] 29.3 88 [2U] 14.2 nsing)	UPS Unit: 530x438x88[2U] Battery Pack: 668x438x88[2U] UPS Unit: 15 Battery Pack: 48 530 x 438 x 88 [2U] 15 0-95 % RH @ 0- 40 Less than 55dB @ 1 Meter 108 \$* 7/8/10, Linux and MA	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133[3U] UPS Unit: 18 Battery Pack: 51 580 x 438 x 133 [3U] 18 °C (non-condensing) Less than 58dB @ 1 Met
LCD Pane ALARM Battery Mc Low Batter Overload Fault PHYSICA Standard Model Long-run Model* ENVIRON Humidity Noise Lev SURGE PI Surge Ene MANAGE Smart RS- Optional S	L Dimension, D x W x H (mm) Net Weight (kgs) Dimension, D x W x H (mm) Net Weight (kgs) MENT rel ROTECTION AND FILTERING ergy Rating (Joules) MENT -232 / USB SNMP	UPS s 310 x 438 x 88 [2U] 12 310 x 438 x 88 [2U] 9 20-5	tatus, Load level, Battery level, Sor Sour C 410 x 438 x 88 [2U] 19 410 x 438 x 88 [2U] 20 % RH @ 0- 40°C (non-conder Less than 50dB @ 1 Meter 625J pports Windows [®] 2000/2003.	unding every 4 seconds ounding every second ding twice every second continuously sounding 630 x 438 x 88 [2U] 29.3 88 [2U] 14.2 nsing)	UPS Unit: 530x438x88[2U] Battery Pack: 668x438x88[2U] UPS Unit: 15 Battery Pack: 48 530 x 438 x 88 [2U] 15 0-95 % RH @ 0- 40 Less than 55dB @ 1 Meter 108 \$* 7/8/10, Linux and MA	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133[3U] UPS Unit: 18 Battery Pack: 51 580 x 438 x 133 [3U] 18 °C (non-condensing) Less than 58dB @ 1 Met
LCD Pane ALARM Battery Mc Low Batter Overload Fault PHYSICA Standard Model Long-run Model* ENVIRON Humidity Noise Lev SURGE PI Surge Ene MANAGE Smart RS- Optional S	L Dimension, D x W x H (mm) Net Weight (kgs) Dimension, D x W x H (mm) Net Weight (kgs) MENT rel ROTECTION AND FILTERING ergy Rating (Joules) MENT -232 / USB	UPS s 310 x 438 x 88 [2U] 12 310 x 438 x 88 [2U] 9 20-5	tatus, Load level, Battery level, I Soi Sour C 410 x 438 x 88 [2U] 19 410 x 438 x 12 20 % RH @ 0- 40°C (non-conder Less than 50dB @ 1 Meter 625J pports Windows® 2000/2003, Power managemen	Anding every 4 seconds ounding every second ding twice every second continuously sounding 630 x 438 x 88 [2U] 29.3 88 [2U] 14.2 nsing)	UPS Unit: 530x438x88[2U] Battery Pack: 668x438x88[2U] UPS Unit: 15 Battery Pack: 48 530 x 438 x 88 [2U] 15 0-95 % RH @ 0- 40 Less than 55dB @ 1 Meter 108 \$* 7/8/10, Linux and MA	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133[3U] UPS Unit: 18 Battery Pack: 51 580 x 438 x 133 [3U] 18 °C (non-condensing) Less than 58dB @ 1 Met
LCD Pane ALARM Battery Mc Low Batter Overload Fault PHYSICA Standard Model Long-run Model* ENVIRON Humidiy Noise Lew SURGE PE Surge Ene Surge Ene Surge Re Surge Stare Surge Stare S	L Dimension, D x W x H (mm) Net Weight (kgs) Dimension, D x W x H (mm) Net Weight (kgs) MENT rel ROTECTION AND FILTERING ergy Rating (Joules) MENT -232 / USB SNMP	UPS s 310 x 438 x 88 [2U] 12 310 x 438 x 88 [2U] 9 20-5	tatus, Load level, Battery level, I Sou Sour C 410 x 438 x 88 [2U] 19 410 x 438 x 88 [2U] 20 % RH @ 0- 40°C (non-conder Less than 50dB @ 1 Meter 625J pports Windows® 2000/2003, Power managemen	unding every 4 seconds ounding every second ding twice every second continuously sounding 630 x 438 x 88 [2U] 29.3 88 [2U] 14.2 nsing) /XP/Vista/2008, Windows t from SNMP manager and	UPS Unit: 530x438x88[2U] Battery Pack: 668x438x88[2U] UPS Unit: 15 Battery Pack: 48 530 x 438 x 88 [2U] 15 0-95 % RH @ 0- 40 Less than 55dB @ 1 Meter 108 \$* 7/8/10, Linux and MA	UPS Unit: 580x438x133[3U] Battery Pack: 580x438x133[3U] UPS Unit: 18 Battery Pack: 51 580 x 438 x 133 [3U] 18 °C (non-condensing) Less than 58dB @ 1 Met

**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_27.07.2021



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

Prolink is a registered trademark of Fida International (S) Pte Ltd. Other brands and product names are trademarks or registered trademarks of their respective holders. Product images are purely for illustrative purposes and may defer from the actual product. Specifications are subjected to changes without prior notice. Copyright © 2021 Fida International (S) Pte Ltd.