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

PRO800-ES/EL SERIES 1-3KVA

PROLiNK Master II Series (1P/1P) Tower Type is a single-phase UPS system that employs a true online double-conversion technology. UPS system is designed to deliver clean and high quality electrical power to fully protect critical devices such as sensitive networks, small computer centres, servers, medical equipment, telecom applications as well as industrial applications. High input power factor correction in the system improves the efficiency and reduces overall losses.

UPS is equipped with 3-stage smart charging design to optimize battery performance. This feature extends the useful service life of battery and optimizes battery recharge time.

Users can easily monitor and access to their UPS status from a comprehensive LCD display. The 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.

The Master II series (1P/1P) Tower p.f 0.9 Type is available in capacities ranging from 1KVA to 3KVA. Programmable power outlet feature is implemented in the system so that during power failure, this enables users to extend battery time to critical devices by shutting down the non-critical devices.

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

- **True double-conversion online UPS**
- **Wide input voltage range (110-300 VAC)**
- **Input power factor correction 0.99**
- **Output power factor 0.9**
- **50/60 Hz Frequency Converter Mode**
- **Programmable power management outlets**
- **Emergency power off function (EPO)**
- **ECO mode operation for energy saving**
- **Generator compatible**
- **High overload capability and enhanced short circuit protection**
- **SNMP/USB/RS-232 multiple communications**
- **3-stage smart charging design**
- **Selectable output voltage: 200-240VAC**
- **Laser printer and ultrasound system load acceptable**

CCTV & Security Systems

ATM

Electro-Medical Device

Storage PLCS

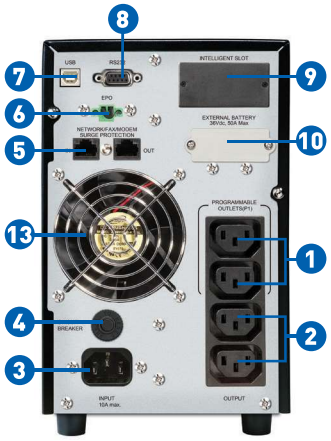
Emergency Alarm Devices

E-Business (Server Farms, ISP/ASP/POP)

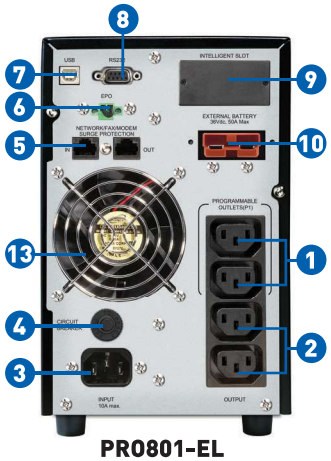
Rear Panel

1-3KVA

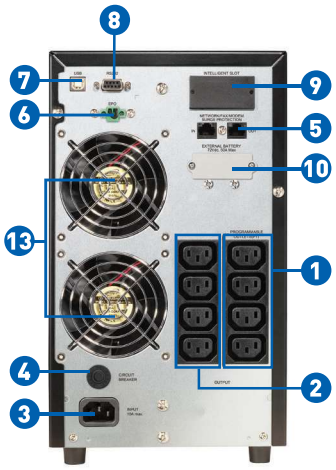
1. Programmable outlets: connect to non-critical loads
2. Output receptacles: connect to mission-critical loads
3. AC input
4. Input circuit breaker
5. Network/Fax/Modem surge protection
6. Emergency power off function connector (EPO)
7. USB communication port
8. RS-232 communication port
9. Intelligent slot
10. External battery connection (Only available for L model)
11. Output terminal
12. Output circuit breaker
13. Cooling fan



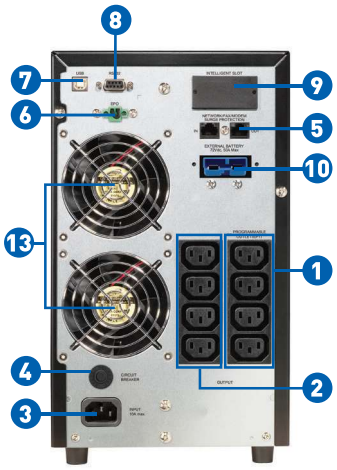
PRO801-ES
PRO8015-ES



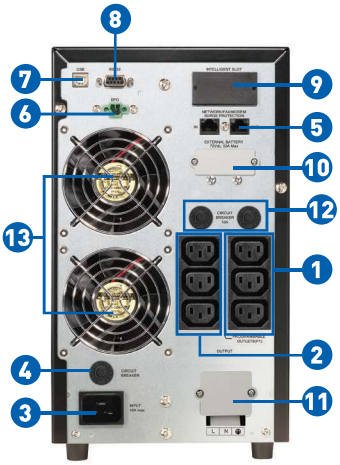
PRO801-EL
PRO8015-EL



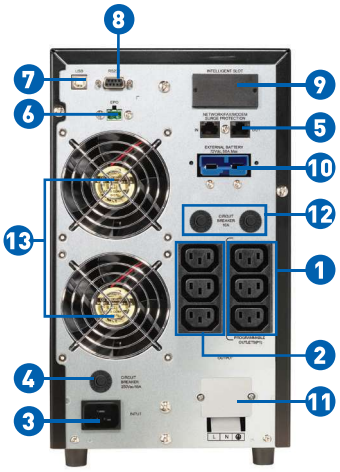
PRO802-ES



PRO802-EL



PRO803-ES



PRO803-EL

Full Specifications

MODEL		PRO801-ES/EL	PRO8015-ES/EL	PRO802-ES/EL	PRO803-ES/EL
PHASE		Single phase with ground			
CAPACITY		1000 VA / 900 W	1500 VA / 1350 W	2000 VA / 1800 W	3000 VA / 2700 W
INPUT					
Nominal Voltage		200/208/220/230/240 VAC			
Voltage Range		110 - 300 VAC ± 5 % at 50% load 160 - 300 VAC ± 5 % at 100% load			
Frequency Range		40 Hz ~ 70 Hz			
Power Factor		≧ 0.99 @ Nominal Voltage (100% Load)			
THDi		≦ 5% @100~130VAC or 205-245VAC THDU < 1.6% @ input and full linear load condition with battery fully charged			
OUTPUT					
Output Voltage		200/208/220/230/240 VAC			
AC Voltage Regulation (Batt. Mode)		± 1%			
Frequency Range (Synchronized Range)		47~53 Hz or 57~63 Hz			
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz			
Current Crest Ratio		3:1			
Harmonic Distortion		≦2 % THD (Linear Load) ; ≦ 4 % THD (Non-linear Load)			
Transfer Time	AC Mode to Batt. Mode	Zero			
	Inverter to Bypass	4 ms (Typical)			
Waveform (Batt. Mode)		Pure Sinewave			
EFFICIENCY					
AC Mode		90%		91%	
ECO Mode		97%			
Battery Mode		89%	89%	89%	90%
BATTERY					
Standard Model	Battery Type	12 V / 7 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah
	Numbers	3	3	6	6
	Typical Recharge Time	4 hours recover to 90% capacity			
	Charging Current (max.)	1.5 A			
	Charging Voltage	41.0 VDC ± 1%		82.1 VDC ±1%	
Long-run Model	Battery Type	Depending on the capacity of external batteries			
	Numbers	3	3	6	6
	Charging Current (max.)	1A/2A/4A/6A/8A (Selectable via LCD setting)			
	Charging Voltage	41.0 VDC ± 1%		82.1 VDC ±1%	
INDICATORS					
LCD Display		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions			
ALARM					
Battery Mode		Sounding every 5 seconds			
Low Battery		Sounding every 2 seconds			
Overload		Sounding every second			
Fault		Continuously sounding			
PHYSICAL					
Standard Model	Dimension, D x W x H (mm)	397 x 145 x 220		421 x 190 x 318	
	Net Weight (kgs)	12.5	13.8	25.8	27
Long-run Model	Dimension, D x W x H (mm)	397 x 145 x 220		421 x 190 x 318	
	Net Weight (kgs)	5.8	5.8	12	13.8
ENVIRONMENT					
Humidity		20-95 % RH @ 0- 40°C (Non-condensing)			
Noise Level		Less than 50dB @1Meter			
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, 61000-3-2/3			
Performance		IEC/EN 62040-3			

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