



Master II+ Series (3P/1P)-Tower

PRO83100-ES/EL SERIES | 10~30kVA, p.f 0.9



Local Area Network (LAN)



Servers



Emergency Alarm Devices



ProLink Master II+ (3P/1P) Series are UPS systems are designed to deliver clean and high quality electrical power to fully protect wide range of critical applications 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. In order to have improved performance and real time harmonic cancellation, DSP control technology is implemented for all Master II+ series. UPS is also 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.

Maintenance bypass is available for the loads which uptime is critical so that bypass allows seamless transfer of electrical loads from UPS power to mains. Parallel Redundant configuration is available as an option.

Master II+ Tower Series (3P/1P) P.F 0.9 is available in capacities ranging from 10KVA to 30KVA. 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.

Key Features

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 0.9
- Wide input voltage range (110-300 VAC)
- Active power factor correction in all phases
- Built-in phase auto adapt function simplifies wire installation
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving
- Programmable power management outlets
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers
- Maintenance bypass available
- Optional N+X parallel redundancy

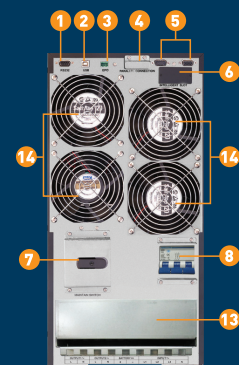
Rear Panel

10-30KVA

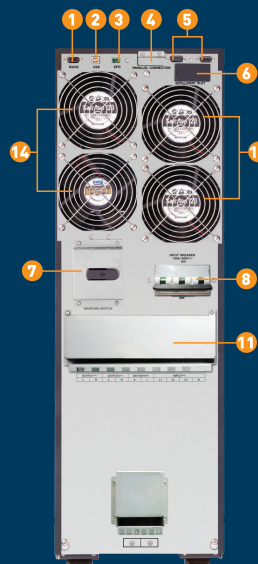
1. RS-232 communication port
2. USB communication port
3. Emergency power off function connector (EPO connector)
4. Share current port (optional for parallel configuration)
5. Parallel port (optional for parallel configuration)
6. Intelligent slot
7. Maintenance bypass switch
8. Line input circuit breaker
9. Output circuit breaker for receptacles
10. Output receptacles: connect to mission-critical loads
11. Input/Output terminal
12. External battery connector/terminal (only available for Long-run model)
13. Input/Output/Battery terminal
14. Cooling Fan



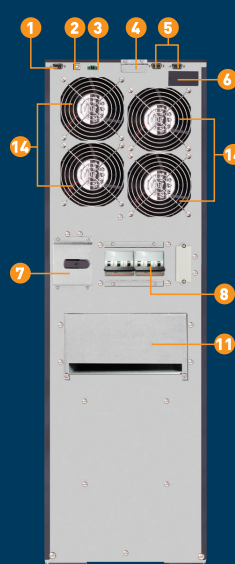
PRO83110-ES/EL



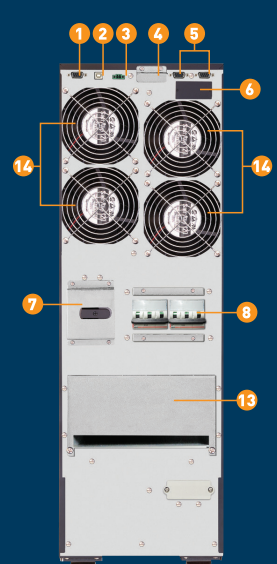
PRO83115-EL/PRO83120-EL



PRO83115-ES/PRO83120-ES



PRO83130-ES



PRO83130-EL

Specifications

MODEL	PRO83110-ES/EL	PRO83115-ES/EL	PRO83120-ES/EL	PRO83130-ES/EL
PHASE	3-phase in / 1-phase out			
CAPACITY	10000 VA / 9000 W	15000 VA / 13500 W	20000 VA / 18000 W	30000 VA / 27000 W
INPUT				
Nominal Voltage	3 x 400 VAC (3Ph+N)			
Voltage Range	190-520 VAC (3-phase) @ 50% load ; 305-478 VAC (3-phase) @ 100% load			
Frequency Range	46~54Hz or 56~64Hz			
Power Factor	≥ 0.99 @ 100% Load			
THDi	< 6% @ 100% load			
OUTPUT				
Output Voltage	208/220/230/240VAC			
AC Voltage Regulation (Batt. Mode)	± 1%			
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz			
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
Current Crest Ratio	3:1 (max.)			
Harmonic Distortion	≤ 2 % THD (Line or Load) ≤ 5 % THD (Non-linear Load)			
Transfer Time	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	Zero		
Waveform (Batt. Mode)	Pure Sinewave			
EFFICIENCY				
AC Mode	91.5%	91.8%	91.8%	92.1%
ECO Mode	97%	97%	97%	97%
Battery Mode	87%	88%	88%	89%
BATTERY				
Standard Model	Battery Type	12 V / 9 Ah		
	Numbers	20 pcs (18 - 20 pcs adjustable)*	20 pcs (18 - 20 pcs adjustable)* x 2 strings	20pcs(18-20pcs adjustable)* x3 strings
	Typical Recharge Time	9 hours recover to 90% capacity		
	Charging Current (max.)	1A	2A	4A
Long-run Model	Charging Voltage	273 VDC ± 1% (Based on 20pcs batteries)		
	Battery Type	Depending on applications		
	Numbers			
	Charging Current (max.)	4A	8A	12A
	Charging Voltage	273 VDC ± 1% (Based on 20pcs batteries)		
INDICATORS				
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions			
ALARM				
Battery Mode	Sounding every 4 seconds			
Low Battery	Sounding every second			
Overload	Sounding twice every second			
Fault	Continuously sounding			
PHYSICAL				
Standard Model	Dimension, D x W x H (mm)	592 x 250 x 576	815 x 250 x 826	815 x 300 x 1000
	Net Weight (kgs)	83	164	234
Long-run Model	Dimension, D x W x H (mm)	592 x 250 x 576	592 x 250 x 576	815 x 250 x 826
	Net Weight (kgs)	28	40	64
IP Protection	IP20			
ENVIRONMENT				
Operating Humidity	0-95 % RH @ 0- 40°C (Non-condensing)			
Noise Level	Less than 58dB @ 1 Meter	Less than 60dB @1 Meter		Less than 65dB @1 Meter
MANAGEMENT				
Smart RS-232 / USB	Supports Windows ² 2000/2003/XP/Vista/ 2008, Windows ² 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			

* L means long-run model.

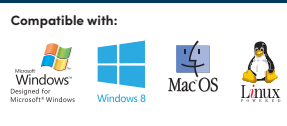
**When using internal batteries from 18-19, the unit will de-rate according to below formula: P = P Rating x N/20.

**Derate capacity to 90% of capacity when the output voltage is adjusted to 208VAC.

Product specifications are subject to change without further notice

Ver1.0_10.06.2021

Authorised Distributor/ Reseller:



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