



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

PRO83300-ES/EL SERIES | 10~30kVA, p.f 0.9



Local Area Network (LAN)



Servers



Emergency Alarm Devices



Prolink Master II+ (3P/3P) 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/3P) P.F 0.9 is available in capacities ranging from 10KVA to 30KVA. UPS ratings from 10KVA to 20KVA accept dual-mains input.

Key Features

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 0.9
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving (ECO)
- Accepts dual-mains inputs (Only for 10K/15K/20K models)
- 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 (only available for parallel configuration)
5. Parallel port (only available for parallel configuration)
6. Intelligent slot
7. Cooling fan
8. External battery connector (Only available for long-run model)
9. Bypass Input Circuit Breaker (Only available for dual input unit)
10. Input/Output terminal
11. Line Input circuit breaker
12. Maintenance bypass switch



PRO83310-ES/EL
PRO83315-ES/EL
PRO83320-ES/EL

PRO83330-ES

PRO83330-EL

Specifications

MODEL	PRO83310-ES/EL	PRO83315-ES/EL	PRO83320-ES/EL	PRO83330-ES/EL	
PHASE	3-phase in / 3-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)				
Input Voltage Range	190-520 VAC (3-phase) at 50% load ; 305-478 VAC (3-phase) at 100% load				
Frequency Range	46-54 Hz or 56-64Hz				
Power Factor	≥ 0.99 @ 100% Load				
OUTPUT					
Output Voltage	3 x 400 VAC (3Ph+N)				
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 (Linear Load) ; ≤ 5 % THD (Non-linear Load)				
Transfer Time	Zero				
Inverter to Bypass	Zero				
Waveform (Batt. Mode)	Pure Sinewave				
EFFICIENCY					
AC Mode	90.5%	91.5%	91.5%	92.1%	
ECO Mode	96%				
Battery Mode	87%	88%	88%	89%	
BATTERY					
Standard Model	Battery Type	12 V / 9 Ah			
	Numbers	20 pcs (18 - 20 adjustable)*	20 pcs (18 - 20 adjustable)* x 2 strings	20pcs (18-20 adjustable)* x 3 strings	
	Typical Recharge Time	9 hours recover to 90% capacity			
	Charging Current (max.)	1A	2A	2A	4A
Long-run Model	Charging Voltage	273 VDC ± 1%			
	Battery Type	Depending on the capacity of external batteries			
	Numbers				
	Charging Current (max.)	4A	4A	4A	12A
Charging Voltage	273 VDC ± 1%				
INDICATORS					
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault				
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)	815 x 250 x 826	815 x 250 x 826	815 x 250 x 826	815 x 300 x 1000
	Net Weight (kgs)	109	164	164	233.5
Long-run Model	Dimension, D x W x H (mm)	592 x 250 x 826	592 x 250 x 826	592 x 250 x 826	815 x 250 x 826
	Net Weight (kgs)	38	40	40	64
IP Protection	IP20				
ENVIRONMENT					
Operating Humidity	0-95 % RH @ 0- 40°C (Non-condensing)				
Noise Level	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				

*When using internal batteries from 18-19, the unit will de-rate according to below formula: P = P Rating x N/20.
Product specifications are subject to change without further notice

Authorised Distributor/ Reseller:

Compatible with:



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