

Features

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 0.8
- Wide input voltage range (110-300 VAC)
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving
- Accepts dual-mains inputs
- 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 by pass available
- Optional N+X parallel redundancy
- Optional isolation transformer offers full isolation and complete common mode noise rejection



MODEL		Proline 3/3-10K (L)	Proline 3/3-15K (L)	Proline 3/3-20K (L)	Proline 3/3-30K (L)
CAPACITY		10000 VA / 8000 W	15000 VA / 12000 W	20000 VA / 16000 W	30000 VA / 24000 W
INPUT					
Nominal Voltage		3 x 400 VAC (3Ph+N)			
Voltage Range		305-478 VAC (3-phase) @ 100% load, 190-520 VAC (3-phase) @ 50% load			
Frequency Range		46~54 Hz or 56~64Hz			
Phase		3 phase in / 3 phase out			
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	AC Mode to Batt. Mode	Zero			
	Inverter to Bypass	Zero			
Waveform (Batt. Mode)		Pure Sinewave			
EFFICIENCY					
AC Mode		89%	89%	89%	90%
Battery Mode		86%	88%	87%	89%
BATTERY					
Standard Model	Battery Type	12 V / 9 AH			
	Numbers	20 pcs	20 pcs x 2 strings	20 pcs x 2 strings	20pcs x 3 strings
	Typical Recharge Time	9 hours recover to 90% capacity			
	Charging Current (max.)	1A	2A	2A	4A
	Charging Voltage	273 VDC ± 1%			
Long-run Model	Battery Type	Depending on the capacity of external batteries			
	Numbers				
	Charging Current (max.)	4A	4A	4A	12A
	Charging Voltage	273 VDC ± 1%			
INDICATORS					
LCD Panel		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
ENVIRONMENT					
Humidity		0-95 % RH @ 0- 40°C (non-condensing)			
Noise Level		Less than 60dB @ 1 Meter	Less than 65dBA @ 1 Meter		
MANAGEMENT					
Smart RS-232/USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux, Unix, and MAC			
Optional SNMP		Power management from SNMP manager and web browser			

* L means long-run model

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

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

* Product specifications are subject to change without further notice