OMNIPOWER

ELECTRICITY EVERYWHERE

6kVA to 10kVA

OPN SERIES UPS

- True double-conversion
- DSP technology guarantees high reliability
- N+X parallel redundancy
- Selecctable quantity of battery for each group: 16/18/20 pieces
- Adjustable charging current via LCD
- 3-stage charging design optimises battery performance
- ECO mode operation for energy saving
- Self-diagnosis at startup
- Emergency power off function (EPO)
- Maintenance bypass is convenient for maintenance
- Generator compatible
- Communications: RS-232, USB, SNMP card (Optional), Relay card (Optional)
- Cold Start

RELIABLE, TRUE DOUBLE-CONVERSION UNINTERRUPTIBLE POWER SUPPLY

Sinetech. 2 Samantha Street, Strijdom Park,
Randburg, Johannesburg
011 886-7874 (16 lines)
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sinetechstore.co.za

MODEL		OPN6000T	OPN6000TEB	OPN10000T	OPN10000TEB
Phase		Single Phase with Ground			
Capacity (VA/Watts)		6K / 5.4K		10K / 9K	
INPUT					
Nominal voltage		220/230/240Vac (L+N+PE)			
Operating voltage range		120~276Vac			
Operating frequency range		50Hz : 45~55Hz, 60Hz : 54~66Hz			
Power factor		≤0.99			
Bypass voltage range		Max. voltage: 220V : +25% (Optional +10%, +15%, +20%)			
		230V: +20% (Optional +10%, +15%)			
		240V: +15% (Optional +10%)			
		Minimum voltage: -45% (Optional -20%, -30%)			
ECO range		Same as bypass			
Harmonic distortion (THDi)		≤5% (100% non-linear load)			
OUTPUT					
Output volage		220/230/240Vac			
Power factor		0.9			
Voltage regulation		±1 %			
Frequency	Line Mode	±1% / ±2% / ±4% / ±5% / ±10% of the rated frequency (Optional)			
	Bat. Mode	(50/60 ±0.1) Hz			
Crest factor		3:1			
Harmonic distortion (THDv)		≤2% with linear load ≤5% with non-linear load			
Waveform		Pure Sinewave			
Transfer Time		Utility to Battery : 0ms, Utility to Bypass : 0ms			
EFFICIENCY					
Efficiency		Up to 94%			
BATTERY					
Battery voltage		Selectable voltage: ±96 / 108 / 120Vdc			
Typical recharge time		6-8 hours (to 90% capacity)			
Charging current		Maximum current 10A			
PROTECTION					
Overload	Line Mode	Load ≤125%: last 5 min, ≤150%: last 1 min, >150% 200ms turn to bypass mode			
	Bypass Mode	40A (input breaker)		60A (input breaker)	
Short circuit		Hold whole system			
Overheat		Line Mode: Switch to bypass, Backup Mode: Shut down UPS imediately			
Battery low		Alarm and switch off			
INDICATORS					
Audible & visual alarms		Line failure, Battery low, Overload, System Fault			
Status LED & LCD display		Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault			
Parameters on the LCD panel		Input/Output Voltage, Input/Output Frequency, Load Level, Battery Level, Inner Temperature & Remaining Battery Backup Time			
MANAGEMENT					
Communication interface		RS-232, USB, Parallel card (Optional), SNMP card (Optional), Relay card (Optional)			
ENVIRONMENT					
Operating temperature		0~40°C			
Storage temperature		-25~55°C			
Humidity range		0~95% (Non-condensing)			
Altitude		<1500m			
Noise level		<55dB			
PHYSICAL					
Dimension W x D x H (mm)		250 x 502 x 616	220 x 481 x 438	250 x 502 x 616	220 x 481 x 438
Net weight (kg)		62	18	64	20
STANDARDS					
Noise suppression		Complies with EN62040-2			
Safety		IEC/EN62040-1, IEC/EN60950-1			
EMC		IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4, IEC61000-4-8			
BATTERY PACK					
Model		EXB ±240V			
Battery type and max quantity		7Ah x 20 / 9Ah x 20			
Dimensions W x D x H (mm)		250 x 502 x 616			
Net weight (kg)		125.6 / 138			

Specifications are subject to change without prior notice
V2 June 2020