

MODEL	OPN6000T	OPN6000TEB	OPN10000T	OPN10000TEB
Phase	Single Phase with Ground			
Capacity (VA/Watts)	6k / 5.4k		10k / 9k	
<b>INPUT</b>				
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	Hi Voltage: 220V : +25% (Optional +10%, +15%, +20%)			
	230V: +20% (Optional +10%, +15%)			
	240V: +15% (Optional +10%)			
	Low Voltage: -45% (Optional -20%, -30%)			
ECO range	Same as bypass			
Harmonic distortion (THDi)	≤5% (100% non-linear load)			
<b>OUTPUT</b>				
Output voltage	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			
<b>EFFICIENCY</b>				
Efficiency	Maximum 94%			
<b>BATTERY</b>				
Battery voltage	Selectable voltage: ±96 / 108 / 120Vdc			
Typical recharge time	6-8 hours (to 90% capacity)			
Charging current	Maximum 10A			
<b>PROTECTION</b>				
Overload	Line Mode	Load ≤125%: for 5 min, ≤150%: for 1 min, >150%: for 200ms switch to bypass mode		
	Bypass Mode	40A (input breaker)		60A (input breaker)
Short circuit	Instant UPS Shutdown			
Overheat	Line Mode: Switch to bypass, Backup Mode: Shut down UPS immediately			
Battery low	Alarm and switch off			
<b>INDICATORS</b>				
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, Internal Temp. & Remaining Battery Backup Time			
<b>MANAGEMENT</b>				
Communication interface	RS-232, USB, Parallel card (Optional), SNMP card (Optional), Relay card (Optional)			
<b>ENVIRONMENT</b>				
Operating temperature	0~40°C			
Storage temperature	-25~55°C			
Humidity range	0~95% (Non-condensing)			
Altitude	<1500m			
Noise level	<55dB			
<b>PHYSICAL</b>				
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
<b>STANDARDS</b>				
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			
<b>BATTERY PACK</b>				
Model	EXB ±120V			
Battery type and max quantity	7Ah x 40 / 9Ah x 40			
Dimensions W x D x H (mm)	250 x 502 x 616			
Net weight (kg)	125.6 / 138			



# OMNIPOWER

THE POWER OF CHOICE

6kVA to 10kVA

## OPN SERIES UPS

- True double-conversion
- DSP technology guarantees high reliability
- N+X parallel redundancy
- Selectable 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**

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