

## FEATURES

- High Frequency Topology
- 0.9 Output Power Factor
- Pure Sinewave Output
- Output THD <3%
- Selectable Line Sensitivity
- Intelligent LCD Display
- Swappable LCD Direction
- Easy Battery Replacement
- Rack-Tower 2-in-1 Design
- Extendable Run Time\*  
(\*EB versions only)
- Power Management Software
- Multiple Communication Ports
- Optional SNMP & Relay Cards
- Self-monitoring and Fault Diagnosis
- Load Segments Control
- EPO Connector

# UPS SYSTEM

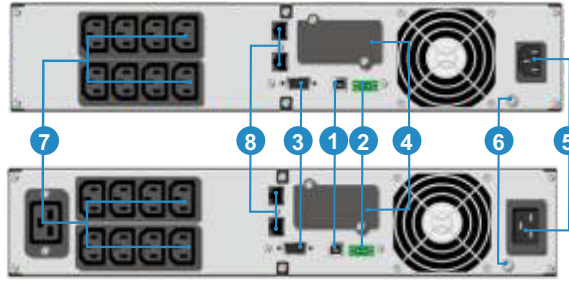
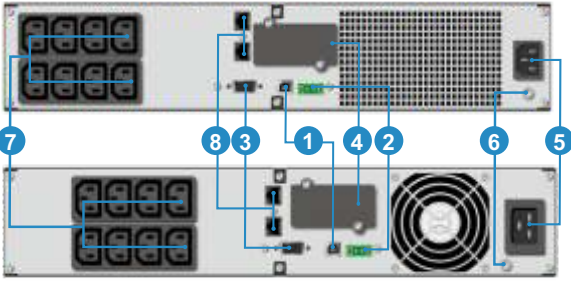
## OPS Series - 1-3KVA Rack / Tower

Rack / Tower High Power Density  
Pure Sinewave Line Interactive UPS



OPN1000RT & OPN1000RTEB

OPN2000RT



OPN2000RTEB

OPN3000RT & OPN3000RTEB

**REAR PANEL 1-3KVA:**

1. USB Port
2. EPO
3. RS232 Port
4. Intelligent Slot
5. Input Socket
6. Earth Line Port
7. Output Socket
8. Modem / Network Surge Protection

# OPS Series - 1-3KVA Rack / Tower

	MODEL	OPN1000RT	OPN1000RTEB	OPN2000RT	OPN2000RTEB	OPN3000RT	OPN3000RTEB
<b>CAPACITY</b>	VA/W	1000VA / 900W		2000VA / 1800W		3000VA / 2700W	
<b>INPUT</b>	Voltage Range	0~300VAC Depending on Load Level					
	Frequency Range	50/60Hz± 5Hz					
	Phase	Single Phase					
<b>OUTPUT</b>	Voltage	220/230/240VAC					
	Voltage Regulation	±5%					
	Frequency (Synch. Range)	50/60Hz± 5Hz					
	Frequency (BAT Mode)	50/60Hz± 0.1Hz					
	Current Crest Ratio	3:1					
	THD	<3% @ Linear Load		<3% @ Linear Load, <6% @ Non-Linear Load			
	Output Waveform	Pure Sine Wave					
	Outlet	IEC C13 (8)		IEC C13 (8)		IEC C13 (8), IEC C19 (1)	
	Overload Capacity: Line Mode	110% ± 10%; Fault after 3 minutes   150% ± 10%; Fault after 10 cycles minimum					
	Overload Capacity: BAT Mode	110% ± 10% : 30s		110% ± 6% : 30s			
<b>EFFICIENCY</b>	Line Mode	120% ± 10%; Fault after 5 cycles minimum					
	BAT Mode	> 96% @ Full Load and Battery Fully Charged					
<b>BATTERY</b>	No. of Internal Batteries per set	3		6		6	
	Battery Type	12V / 7Ah		12V / 7Ah		12V / 9Ah	
	Backup Time	4.5 minutes		4.5 minutes		3 minutes	
	Recharge Time	3 hours to 90%		3 hours to 90%		4 hours to 90%	
	Charging Current (max)	1.5A					
	Rated Battery Voltage	36V		72V			
<b>EXTENDABLE RUN TIME</b>	No. of Batteries per set	3pcs x 2		6pcs x 2			
	Battery Type	12V / 7Ah					
<b>TRANSFER TIME</b>	BAT to LINE	2 - 6ms typical, 13ms max					
<b>INDICATOR</b>	LCD	Load / Battery / Input / Output / Operating Mode Information					
<b>AUDIBLE ALARM</b>	BAT Mode	Beeps every 4 seconds					
	Battery Test	Beeps every 2 seconds					
	UPS Fault	Beeps Continuously					
	Overload / Disconnect / Low	Overload Capacity / Battery disconnect or low - Beeps every second					
<b>DIMENSION</b>	Tower Case (DxWxH) mm	438x86.5x436			438x86.5x608		
	Weight (kg)	16.87 kg	10.54 kg	27.48 kg	16.03 kg	31.88 kg	16.99 kg
<b>ENVIRONMENT</b>	Rack / Tower	2U					
	Operation Environment	0-40°C					
	Relative Humidity	5-95% (Non-condensing)			0-95% (Non-condensing)		
	Line Mode Noise Level	<40dB			<45dB		
	Battery Mode Noise Level	<45dB			<50dB		
<b>INTERFACE</b>	RS232 / USB & Intelligent Slot	Optional					
	EPO	Emergency Power Off					

\* Product specifications are subject to change without prior notice. Design of outer casing may vary slightly from region to region.