

Spectra External Tower 6 To 10KVA, Online UPS

Reference Standard- Safety - IEC/EN62040-1, IEC/EN62477-1 **EMC** - IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8



Features

- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with full digital control
- Optimization battery group, the quantity of battery: $\pm 8/\pm 9/\pm 10$ pcs (Settable)
- Wide input voltage range: 110~286Vac
- Wide input frequency range
- Selectable output voltage: 208/220/230/240Vac
- Generator compatible
- ECO mode operation for energy saving
- Self-testing when UPS startup
- Multiple communication interface: RS232/USB/EPO (Dry contact/ SNMP card optional)
- Maximum charging current up to 10A
- Cold start
- Design with maintenance switch (Optional)
- Intelligent fan speed regulation
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm

Additional Accessories



Optimized Battery
Configuration 7Ah/9Ah (12V)

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Technical Specifications

Model	E006SET31	E010SET31
Capacity (W)	6000VA/ 5400W	10000VA/ 9000W

Input

Nominal Voltage	208/220/230/240Vac
Input voltage Range	110~286Vac
Frequency Range	40~70Hz (50/60Hz Auto-Sensing)
Power Factor	≥0.99
Bypass Voltage Range	Max.voltage:220V:+25% (Optional+10%,15%,20%) 230V:+20% (Optional+10%,15%,20%) 240V:+15% (Optional+10%) Min.voltage:-45% (Optional-20%,-30%)

Output

Output Voltage		208/220/230/240Vac	
Power Factor		0.9	
Voltage Regulation		±1%	
Output 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% Linear load	
		≤5% Non linear load	
Transfer Time	AC Modeto Bat. Mode	0ms	
	Inverter to Bypass	0ms	
Output waveform		Pure Sinewave	
Overload	Line Mode	Load ≤110%: last 60min; ≤125%: last 10min; ≤150%: last 1min; ≥150% turn to bypass mode immediately	
	Battery Mode	40A (Breaker)	63A (Breaker)

Efficiency

Efficiency	93.5%
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Battery

Battery Voltage	±96/±108/±120Vdc (Adjustable)
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)
Typical Recharging Time	6~8 hours (to 90% of full capacity)
Charging Current	External unit Max.current 10A (Charging current can be set according to battery capacity)



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Technical Specifications

Model	E006SET31	E010SET31
Capacity (W)	6000VA/ 5400W	10000VA/ 9000W
Indicators		
LED display	Line mode,Bat.mode,ECO mode,Bypass mode,Battery low voltage,Overload & UPS fault	
LCD display	Input voltage,Input frequency,Output voltage,Output frequency,Load percentage, Battery voltage,Inner temperature& Remaining battery backup time	
Alarm		
Battery Mode	Beeping every 4 seconds	
Battery Low	Beeping every second	
Overload	Beeping twice every second	
Fault	Continuously beeping	
Environment		
Operating temperature	0°C~40°C	
Storage temperature	-25°C~55°C	
Humidity range	20~95%RH @ 0~40°C (Non condensing)	
Altitude	<1500m,derating required when>1500m	
Noise level	<55dB at 1 Meter	<58dB at 1 Meter
Physical		
Dimension W x D×H (mm)	H:191 x 460 x 337;S:191 x 460 x 720 (With wheel)	
Net weight (kg)	12.5	14

