

# Spectra Rack Tower Series 1:1 Phase PF 0.9, 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

- High power density
- Rack/Tower convertible design
- 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
- Generator compatible
- ECO mode operation for energy saving
- Self-testing when UPS startup
- Multiple communication interface: RS232/USB/EPO (Dry contact / SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery
- Maximum charging current up to 10A
- Cold start
- Intelligent fan speed regulation
- Parallel kit default

## Accessories

		
Optimized Battery Configuration 7Ah/9Ah (12V)	Multifunctional Bracket	Battery Cabinet (Optional)



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## Technical Specifications

Model	E006SER31	E010SER31
Capacity	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 PF	
Voltage Regulation		± 1%	
Output Frequency	Line Mode	±1%/±2%±/±4%/±5%/±10% of the rated frequency (Optional)	
	Battery Mode	(50/60 ± 0.1%)Hz	
Crest Factor		3:1	
Harmonic distortion (THDv)		≤ 2% Linear load	
		≤ 5% Non linear load	
Transfer Time	AC Mode to Battery Mode	0ms	
	Inverter to Bypass	0ms	
Waveform (Batt. Mode)		Pure Sinewave	
Waveform	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		94%	

### Battery

Battery Voltage	±96/±108/±120Vdc (Adjustable)
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)
Typical Recharge Time	6~8 hours (to 90% of full capacity)
Charging Current	1A (Standard unit); Long run unit Max.current 10A (Charging current can be set according to battery capacity)



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Model	E006SER31	E010SER31
Capacity	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	Continously beeping	
Physical		
Dimension D X W X H (mm)	440 x 625 x 86.5	
Net Weight (kgs)	16	18
Envionrment		
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

