

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: ±8/±9/±10pcs (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

| | | |
|--|--|---|
|  <p>Optimized Battery Configuration 7Ah/9Ah (12V)</p> |  <p>Multifunctional Bracket</p> |  <p>Battery Cabinet (Optional)</p> |
|--|--|---|



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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 | $\pm 1\%$ | |
| Output Frequency | Line Mode | $\pm 1\%/\pm 2\%/\pm 4\%/\pm 5\%/\pm 10\%$ of the rated frequency (Optional) |
| | Battery Mode | (50/60 $\pm 0.1\%$)Hz |
| Crest Factor | | 3:1 |
| Harmonic distortion (THDv) | | $\leq 2\%$ Linear load $\leq 5\%$ Non linear load |
| Transfer Time | AC Mode to Battery Mode | 0ms |
| | Inverter to Bypass | 0ms |
| Waveform (Batt. Mode) | Pure Sinewave | |
| Waveform | Line Mode | Load $\leq 110\%$ last 60min; $\leq 125\%$ last 10min; $\leq 150\%$ last 1min; $> 150\%$ turn to bypass mode immediately |
| | Battery Mode | 40A (Breaker) 63A (Breaker) |
| Efficiency | 94% | |
| Battery | | |
| Battery Voltage | $\pm 96/\pm 108/\pm 120$ Vdc (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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Technical Specifications

| 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 | Continuously beeping | |
| Physical | | |
| Dimension D X W X H (mm) | 440 x 625 x 86.5 | |
| Net Weight (kgs) | 16 | 18 |
| 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 |

