

Spectra Tower Series 1:1 Phase 0.9PF, 1 To 3KVA, Online UPS

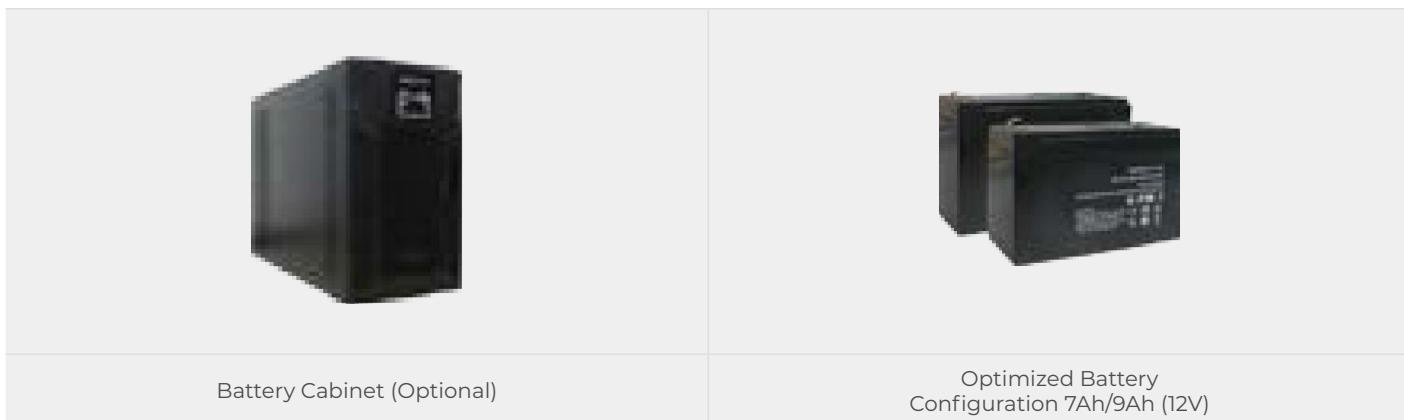
Reference Standard- Safety - IEC/EN62040-1, IEC/EN62477-1, EMC - IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8



Features

- High power density
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Versatile LCD human-computer interface
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Maximum charging current can be expanded to 12A (Long run unit)
- Multiple communication interface:RS232 (USB/EPO/Dry contact / SNMP card optional)
- Multiple protection function:short-circuit,overload,overheat, battery overcharge and overdischarge,output low voltage and fan fault alarm

Mechanical Drawing



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Technical Specifications

Model	E001SIT31	E002SIT31	E003SIT31
Capacity	1000VA / 900W	2000VA / 1800W	3000VA / 2700W
Input			
Nominal Voltage		208/220/230/240Vac	
Input Voltage Range		110~300Vac (176~280Vac @ 100% load)	
Frequency Range		40~70Hz (50/60Hz Auto-Sensing)	
Power Factor		≥ 0.99	
Output			
Output Voltage		208/220/230/240Vac	
Power Factor		0.9PF	
Voltage Regulation		± 1%	
Output Frequency	Line Mode	46~54Hz or 56~64Hz	
	Battery Mode	(50/60 ± 0.1%)Hz	
Crest Factor		3:1	
Harmonic distortion (THDv)		≤ 3% Linear load	
		≤ 5% Non linear load	
Transfer Time	AC Mode to Battery Mode	0ms	
	Inverter to Bypass	4ms (Typical)	
Waveform (Batt. Mode)		Pure Sinewave	
Efficiency			
AC Mode	88%	90%	91%
Battery Mode	85%	87%	88%
Battery			
Battery Number	2	4	6
Capacity (Standard unit)		9Ah / 12V	
Typical Recharge Time		4 hours (to 90% of full capacity)	
Charging Voltage	27.4 Vdc ±1%	54.8 Vdc ± 1%	82.2 Vdc ± 1%
Charging Current (Max)	1A	1A	1A



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Technical Specifications

Model	E001SIT31	E002SIT31	E003SIT31
Capacity	1000VA / 900W	2000VA / 1800W	3000VA / 2700W
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 sounding		
Physical			
Dimension D x W x H (mm)	144 x 293 x 209	191 x 460 x 337	
Net Weight (kgs)	9.3	19.5	24.5
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	<50dB at 1 Meter		

