

## ST11 Series Tower Online UPS 1 - 3kVA (220V/230V/240V)

ST11 series are online double conversion UPS with full DSP control technology. With high input and output power factor, self-adjusting output frequency and network management, ST11 are perfect choice for computers, telecommunication equipment and other sensitive devices.



### Main Features:-

- Wide range of input voltage while input PF > 97%
- Output PF of 0.9, more load capacity
- Full protection of overvoltage, short circuit and over temperature
- LCD / LED display, monitoring all the operation status
- Auto fan speed adjustment

### Application:-

IDC (Internet Data Center)  
Control system

Network, Server and workstation  
Communication system

## SPECIFICATION

MODEL	ST01K-S-11	ST01K-L-11	ST02K-S-11	ST02K-L-11	ST03K-S-11	ST03K-L-11
Capacity	1kVA		2kVA		3kVA	
<b>INPUT</b>						
Phase	Single Phase in, Single Phase Out					
Voltage	110VAC-288VAC					
Acceptable voltage range	>176Vac for 100% load; >154Vac for 80% load; >132Vac for 70% load; 110Vac for 50% load					
Frequency range	40Hz ~ 70Hz					
Power factor	≥0.97					
Current	5.5A max		11A max		16A max	
Connection	IEC C13 10A power cord		IEC C19 16A power cord			
<b>OUTPUT</b>						
Voltage	220VAC / 230VAC / 240VAC					
Voltage regulation	±1%					
Rated Frequency	50Hz / 60Hz ±0.2% (free running mode)					
Power factor	0.9					
THDu	THD ≤ 2% (linear)					
	THD ≤ 5.5% (non-linear)		THD ≤ 5% (non-linear)			
Crest Factor	3:1					
Overload capability	Inverter	105% ~ 130%: to bypass after 1 min; 150%: to bypass after 30 sec				
	Battery	105% ~ 130%: shut down after 10 sec; 150%: shut down after 5 sec				
Efficiency	87%		91%		90%	
Connection	2 x output UK socket		4 x output UK socket		4 x output UK socket	
	Other IEC, German, Australia sockets can be available upon request					
<b>BATTERY</b>						
Battery voltage	36VDC		72VDC		96VDC	
Battery type / number	12V,7.2AH*3	External battery	12V,7.2AH*6	External battery	12V,7.2AH*8	External battery
Backup time (Typical load)	> 8-10 mins		> 9 min - 11 min		> 7 min - 10 min	
Max charging current	1A	8A	1A	8A	1A	8A
<b>GENERAL CHARACTERISTIC</b>						
Transfer Time	0s bypass to inverter / 2ms from inverter to Bypass					
Mimic panel information	LCD + LED + command buttons					
Temperature	0°C to 40°C (operating) / -20°C to 70°C (storage)					
Humidity	<95% non-condensing					
Noise level at 1m	<43dB for < 70% Load, <47dB for >70% Load		<45dB for <70% Load, <50dB for >70% Load			
Interface	RS232, EPO					
Optional	USB (B Type), SNMP, Dry contacts					
Weight (kg)	10.5	5	21	8.5	24.5	9.5
Dimension (W*D*H)/(mm)	144*353*222		190*427*336*		190*427*336*	

\*Derate to 90% with 208VAC output voltage, derate to 80% with 200VAC output voltage, derate to 60% automatically when at converter mode

Note: Product specifications are subject to change without notice

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