

ST11 Series Tower Online UPS 6-20kVA (220V/230V/240V)

ST11 series, ranging from 6kVA to 20kVA are double conversion online UPS with full DSP control technology. The single phase UPS applies the advanced 3-level technology, achieving an efficiency up to 95%. With its compact design of high power density (kW=kVA), ST11 series make it ideal choice for computers, telecommunication equipment and other sensitive devices.



Main Features:-

- High efficiency, up to 95%
- kVA = kW, Output PF = 1
- 3 level of technology, compatible with complicated load
- Battery number can be set on LCD
- Intelligent charging management, effectively improving the life time of battery
- Smaller size with higher power density
- Parallel up to 4 units
- 12A charger for option, charging for large capacity batteries

Application:-

ISP (Internet Service Provider)
Computer Room
Electro Medical equipment
Intelligent equipment

IDC (Internet Data Center)
Service Centre
PLC
Precision instrument

SPECIFICATION

MODEL	ST06K-S-11	ST06K-L-11	ST10K-S-11	ST10K-L-11	ST15K-L-11	ST20K-L-11
Capacity	6kVA / 6kW		10kVA / 10kW		15kVA / 15kW	20kVA / 20kW
INPUT						
Phase	Single phase in, Single phase out					
Voltage	220VAC / 230VAC / 240VAC					
Acceptable voltage range	110VAC - 288VAC >176Vac for 100% load; >160Vac for 90% load; >140Vac for 80% load; >110Vac for 60% load					
THDi	≤ 4% @ 100% load; ≤ 6% @ 50% load (linear load)					
Frequency range	40Hz ~ 70Hz					
Power factor	≥0.99					
Input Connection	Terminal block					
OUTPUT						
Voltage	220VAC / 230VAC / 240VAC					
Voltage regulation	±1%					
Rated Frequency	50Hz / 60Hz ±0.5% (free running mode)					
Power factor	1.0					
THDu	≤ 2% (linear); ≤ 5% (non-linear)				≤ 1% (linear); ≤ 3% (non-linear)	
Crest Factor	3:1					
Overload capability	Inverter	110% for 10 min; 130% for 1 min 150% for 30 sec				
	Battery	110%: shutdown after 1 min; 130%: shut down after 10 sec; >130%: shutdown after 200 ms				
Efficiency	Normal mode: 95%					
Output Connection	Terminal block					
BATTERY						
Battery voltage	192VDC (Standard) / 240VDC (Selectable)					
Battery type	12V, 7.2AH	External	12V, 9AH	External	External	
Battery number	16 (standard) / 20 (max)	16 / 20	16 (standard) / 20 (max)	16 / 20	16 / 20	
Backup time (Typical load)	> 6 - 10 mins	Depending on battery Ah	> 6 - 10 mins	Depending on battery Ah		
Recharging Time	8 hrs to 90%		8 hrs to 90%			
GENERAL CHARACTERISTIC						
Transfer Time	0s					
Surge protection	Metal Oxide Varistor					
Temperature	0°C to 40°C (operating) / -20°C to 70°C (storage)					
Humidity	<95% non-condensing					
Noise (1 meter away)	<48dB for < 70% Load, <58dB for >70% Load				<50dB for < 70% Load, <58dB for >70% Load	
Display`	LED+LCD					
Interface	Standard: RS232, EPO Optional: SNMP, USB, RS485, Dry Contacts, Parallel Kit					
Weight (kg)	56	14	60	16	33	
Dimension (W*D*H)/(mm)	190*426*705	190*426*336	190*485*705	190*485*336	190*485*480	

Note: Product specifications are subject to change without notice

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