

## ST31 Series Tower Online UPS 10-40kVA (220V/230V/240V)

ST31 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, ST31 are perfect choice for computers, telecommunication equipment and other sensitive devices.



### Features:-

#### Common features for 10-40kVA

- Full protection of overvoltage, short circuit and over temperature
- Auto fan speed adjustment
- Abundant interface: RS232, USB, SNMP, Intelligent Card
- Parallel up to 4 units

#### Unique features for 10-20kVA

- Output PF = 1
- Small size with higher power density
- Digital Charger, adjustable from 1A to 5A
- 12A Charger for option, charging for large capacity batteries

#### Application:-

ISP (Internet Service Provider)  
Networks

IDC (Internet Data Center)  
Servers and Workstations

**SPECIFICATION**

MODEL	ST10K-L-31	ST15K-L-31	ST20K-L-31	ST40K-L-31
Capacity	10kVA	15kVA	20kVA	40kVA
<b>INPUT</b>				
Phase	Three phase in, Single phase out			
Voltage	190VAC~499VAC			228VAC~478VAC
Acceptable voltage range	100% load@ >305VAC; 90% load@ >266VAC; 75% load@ >228VAC; 50% load @ >190VAC			100% load@ >305VAC; 90% load@ >266VAC; 75% load@ >228VAC
Frequency range	40Hz ~ 70Hz			
Power factor	≥0.99			
THDi	≤4% (100% Linear load)			≤3% (100% Linear load)
<b>OUTPUT</b>				
Voltage	220VAC / 230VAC / 240VAC			
Voltage regulation	1%			
Power factor	1			0.9
THDu	≤1% (full linear load); ≤3% (full non-linear load)			≤1% (full linear load); ≤5% (full non-linear load)
Crest Factor	3:1			
Overload capability (Inverter mode)	110%: for 10 min; 130%: for 1 min; 150%: for 30 sec (shut down the bypass after 1 min)			
Overload capability (Battery mode)	110%: shutdown after 1 min; 130%: shut down after 10 sec; >130%: shutdown after 200 ms			110%: shutdown after 10 min; 125%: shutdown after 10 sec; >125%: shutdown after 1 sec
System Efficiency	Normal: 94.5%	Normal: 95%		
	ECO: 98%			
<b>BATTERY</b>				
Battery voltage	192VDC			±240VDC
Battery type / number	External battery			
<b>GENERAL CHARACTERISTIC</b>				
Display	LCD + LED			10.4" color touch screen LCD+LED
Noise level at 1m	<50dB for < 70% Load, <58dB for >70% Load			65dB @ 100% load 62dB @ 45% Load
Interface	Standard: RS232, EPO Optional: RS485, USB, SNMP, Dry Contacts			Standard: RS232, RS485, USB, Dry Contacts Optional: SNMP, parallel kit, Battery cold start
Weight (kg)	22	33	33	170
Dimension (W*D*H)/(mm)	190*485*336	190*485*480	190*485*480	600*980*950

Note: Product specifications are subjected to change without notice

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