

ST Series

Quality Protection for Small Servers, and Workstations & PCs



*Line interactive design
Boost and buck AVR
Fully digitized microprocessor controlled
RS-232 communication port
Energy saving (UPS sleep mode)
50/60 Hz frequency auto sensing
Cold start (DC power on)
Lightning and surge protection
Short circuit and overload protection
Single PCB with reliable wireless design
Advanced battery management (ABM)
Automatically charging in UPS off mode
Battery replacement indication
Automatic diagnostics & battery check*

Specifications

Model	ST525	ST800
Input		
Capacity	525VA	800VA
Voltage	+/-25%, Single phase	
Frequency	50 or 60 Hz +/-10%(auto sensing)	
Output		
Voltage (on battery)	Simulated sine wave at 100V/115V/230V +/-5%	
Frequency (on battery)	50 or 60 Hz +/-0.5%	
Voltage Regulation (AVR)	AVR automatically increase output voltage 15% above input voltage if -9% to -25% of nominal. AVR decrease output voltage 13% below input voltage if +9% to +25% of nominal	
Transfer Time	2/4 milliseconds, including detection time	
Protection and Filtering		
Spike Protection	320 Joules, 2ms	
EMI/RFI Filter	10dB at 0.15MHz, 50dB at 30MHz	
Overload Protection	UPS automatic shutdown if overload exceeds 110% of nominal at 60 seconds and 130% at 3 seconds	
Unit Input	Circuit breaker for overload & short circuit protection	
10 Base-T Cable Port	Network (UTP, RJ-45) compatible jacks	
Short Circuit	UPS output cut off immediately or input circuit breaker protection	
Battery		
Type	Sealed, Maintenance-free lead acid	
Typical Recharge Time	4 hours (to 90% of full capacity)	
Protection	Automatic self-test & discharge protection, Replace battery indicator	
Back-up Time	10 - 30 minutes (depending on computer load)	
Physical		
Net Weight Kb (lbs)	5.8 (12.8)	13 (28.6)
Shipping Weight Kg (lbs)	6.1 (13.4)	14.2 (31.2)
Dimension (mm) WxDxH	97 x 320 x 135	131 x 382 x 202
Input Inlet	IEC 320 power inlet	
Alarm		
Battery Back-up	Slow beeping sound (about 0.47Hz)	
Battery Low	Rapid beeping sound (about 1.824Hz)	
Overload	Continue beeping sound	
Interface		
RS232 Interface	Bi-directional communication port	
Conformance		
Safety	cUL, TUV, CE, meet FCC	
Surge	Meet IEEE 587 standard	
Environment		
Ambient Operation	6,000 meter max. elevation, 0-95% humidity non-condensing, 0-48 degC	
Audible Noise	< 40dBA (1 meter from surface)	
Storage Condition	15000 meters max.elevation	