

Tower Models**GENERAL**

Rated Capacity: 425VA, 525 VA, 625 VA, 800VA, 1000 VA, 1200 VA, 1500VA, 2200VA
Technology: Line-interactive topology with simulated sinewave output on battery

INPUT

Phase: Single phase plus ground
Input Voltages: 110V, 115V, 120V or 220V, 230V, 240V
Input Voltage Range: $\pm 25\%$
Frequency: 50 / 60 Hz auto sensing
AC Frequency Range: 45 - 65 Hz
Input Current (120V): 425-3.5A, 525-4.4A, 625-5.2A, 800-6.7A, 1000-8.3A, 1200-10A, 1500-12.5A, 2200-18.3A
Input Current (230V): 425-1.8A, 525-2.3A, 625-2.7A, 800-3.5A, 1000-4.3A, 1200-5.2A, 1500-6.5A, 2200-9.6A
Input Protection: Fuse or circuit breaker for overload and short circuit (model dependent)
DC Bus Voltage: 425VA ~ 625VA - 12V, 800VA ~ 1500VA - 24V, 2200VA - 48V

OUTPUT

Output Voltage: 110V, 115V, 120V or 220V, 230V, 240V
Voltage Regulation: $\pm 5\%$ (425VA - 2200VA)
Power Factor: 0.6
Frequency Regulation: $\pm 1\%$ (while on battery)
Automatic Voltage Regulation: Increases or decreases output voltage by 15% if the input voltage decreases or increases by between 9% and 25%
Transfer Time: Between 2 and 4 milliseconds including detection time
Efficiency (Standby Mode): Greater than 95%
Overload Capacity: 110% for 60 seconds, 130% for 3 seconds

19" Rack-Mount Models**GENERAL**

Rated power: 1000 VA, 1500 VA, 2200 VA
Technology: Line-interactive topology with simulated sinewave output on battery

INPUT

Phase: Single phase plus ground
Input Voltages: 110V, 115V, 120V or 220V, 230V, 240V
Input Voltage Range: $\pm 25\%$
Frequency: 50 / 60 Hz auto-sensing
AC Frequency Range: 45 - 65 Hz
Input Current (120V): 1000VA - 8.3A, 1500VA - 12.5A, 2200VA - 18.3A
Input Current (230V): 1000VA - 4.3A, 1500VA - 6.5A, 2200VA - 9.6A
Input Protection: Fuse or circuit breaker for overload and short circuit (model dependent)
DC Bus Voltage: 1000VA - 18V, 1500VA - 24V, 2200VA - 48V

OUTPUT

Output Voltage: 110V, 115V, 120V or 220V, 230V, 240V
Voltage Regulation: $\pm 5\%$ (1000VA - 2200VA)
Power Factor: 0.6
Frequency Regulation: $\pm 1\%$ (while on battery)
Automatic Voltage Regulation: Increases or decreases output voltage by 15% if the input voltage decreases or increases by between 9% and 25%
Transfer Time: Between 4 and 8 milliseconds including detection time
Efficiency (Standby Mode): Greater than 95%
Overload Capacity: 110% for 60 seconds, 130% for 3 seconds

All Models**ALARMS AND INDICATORS**

Battery Backup:	Slow beeping tone (approx. 0.25Hz)
Battery Low:	Rapid beeping tone (approx. 1.00Hz)
Overload:	Continuous tone
Front Panel Display:	LED's
LED Display Parameters: (425VA ~ 625VA models)	On Line (AC normal), On Battery (AC failure), Battery Fault
LED Display Parameters: (800VA ~ 2200VA models)	On Line (AC normal), On Battery (AC failure), Battery Fault, AVR Boost, AVR Buck
Communication (std): (optional):	RS-232 communication port and solid state signaling or USB SNMP/WEB card or module for monitoring and control on a network or the internet

STANDARDS

Safety:	EN50091-1-1
Emissions:	EN50091-2 class B
Immunity:	EN50091-2
Conformity:	UL 1778, cUL 107.1, 107.2, (120V models), CE (230V Models)
Transient Immunity (120V):	Per IEEE 62.41 (formerly IEEE 587)
Transient Immunity (230V):	Per IEEE C 61000-4-5 level 3

ENVIRONMENTAL

Ambient temperature range:	+32 °F to +104°F (+0 °C to +40 °C)
Optimum temperature range:	+59 °F to +77°F (+15 °C to +25 °C)
Storage temperature:	+5 °F to +122°F (-15 °C to +50 °C)
Cooling:	Natural convection (425VA ~ 800VA), Forced air (1000VA ~ 2200VA)
Humidity:	0-95%, non-condensing
Elevation:	10,000 feet max (operation), 45,000 feet (storage)
Audible noise:	< 40 db normal and battery mode (All models)

MODEL & PART NUMBER DESIGNATION

120V Tower Models:	STWS-0425-01, STWS-0525-01, STWS-0625-01, STWS-0800-01,
120V Tower Models:	STWS-1000-01, STWS-1200-01, STWS-1500-01, STWS-2200-01
230V Tower Models:	STWS-0425-02, STWS-0525-02, STWS-0625-02, STWS-0800-02,
230V Tower Models:	STWS-1000-02, STWS-1200-02, STWS-1500-02, STWS-2200-02
120V Rack-Mount Models:	SRMS-1000-01, SRMS-1500-01, SRMS-2200-01
230V Rack-Mount Models:	SRMS-1000-02, SRMS-1500-02, SRMS-2200-02

Tower Models

Capacity	425VA / 255 W	525VA / 315 W	625VA / 375 W	800VA / 480 W
Input Connection	Fixed power cord			Removable IEC cord
Output Connection	6 x NEMA 5-15R (3 backed up and 3 surge only)			5 x NEMA 5-15R
Battery Type & Rating	Sealed, lead-acid 7.2Ah/12V	Sealed, lead-acid 7.2Ah/12V	Sealed, lead-acid 7.2Ah/12V	Sealed, lead-acid 7.2Ah/12V
Battery Quantity	1	1	1	2
Backup time (full load)	4 min	4 min	4 min	7 min
Recharge time	<4 hours to 90%			
Dimensions ins/mm W x D x H	3.8 x 12.6 x 5.3 97 x 320 x 135			5.1 x 15 x 7.9 130 x 382 x 201
Weight lbs/kg (net)	12.8 / 5.8	13.7 / 6.2	14.3 / 6.5	28.6 / 13

Tower Models

Capacity	1000VA / 600W	1200VA / 720 W	1500VA / 900 W	2200VA / 1320 W
Input Connection	Removable IEC power cord			Fixed power cord
Output Connection	5 x NEMA 5-15R			6 x NEMA 5-15R
Battery Type & Rating	Sealed, lead-acid 7.2Ah/12V	Sealed, lead-acid 7.2Ah/12V	Sealed, lead-acid 7.2Ah/12V	Sealed, lead-acid 7.2Ah/12V
Battery Quantity	2	2	2	4
Backup time (full load)	6 min	5 min	4 min	6 min
Recharge time	<6 hours to 90%			
Dimensions ins/mm W x D x H	5.1 x 15 x 7.9 130 x 382 x 201			6.7 x 17.6 x 8.4 170 x 448 x 214
Weight lbs/kg (net)	33 / 15	33.4 / 15.2	34.3 / 15.6	66 / 30

19" Rack-mount Models

Capacity	600VA / 360W	1000VA / 600 W	1500VA / 900 W	2200VA / 1320 W
Input Connection	Removable IEC power cord			Fixed power cord
Output Connection	5 x NEMA 5-15R		6 x NEMA 5-15R	
Battery Type & Rating	Sealed, lead-acid 7.0Ah/6V	Sealed, lead-acid 8.0Ah/6V	Sealed, lead-acid 8.5Ah/12V	Sealed, lead-acid 7.2Ah/12V
Battery Quantity	2	2	2	4
Backup time (full load)	4 min	5 min	5 min	6 min
Recharge time	<8 hours to 90%			
Dimensions ins/mm W x D x H	19 x 14.3 x 1.73 483 x 362 x 44		19 x 14 x 3.3 483 x 357 x 84	19 x 13.8 x 5.1 483 x 351 x 130
Weight lbs/kg (net)	20.5 / 9.4	25.3 / 11.5	35.9 / 16.3	62.6 / 28.4