

STACO ENERGY[®] PRODUCTS CO.

UNI STAR[®] V **Series 120/120VAC** *Universal Tower/Rack Mount* **Standard 1000VA, 1500VA, 2000VA & 3000VA** **LB Extended Models 900VA, 1250VA, 1700VA & 2500VA**

On-line, Single Phase, Double Conversion UPS

The UniStar[®] V features a field-proven Digital Signal Processor (DSP) achieving high reliability, while providing protection from electrical power disturbances to the connected load. The convertible tower/rack design offers maximum flexibility, enabling UPS integration into a wide variety of environments.

Industry-leading functionality is standard and includes hot swappable battery, powerful internal charger, emergency shut-down and programmable receptacles. The UniStar[®] V is an ideal power protection solution for servers, networks, telecommunications, industrial equipment, and manufacturing processes. LB Models are for those critical applications that require extended battery backup times.

True Double-Conversion On-Line UPS

- A true double conversion UPS will provide clean, high level quality power to fully protect mission-critical devices such as sensitive networks, small computer center servers, telecom applications, as well as for industrial applications.

Output Power Factor 0.9

- UniStar Series V is a high-density UPS with an output power factor 0.9 to provide higher performance and efficiency to critical applications.

User-Friendly and Easy-Shift LCD Display

- The front panel digital display can be easily shifted through LCD setting to suit the installation format, Tower or Rack mount

Rack/Tower Design

- The Series V is designed in a true universal-mount case. It can be easily installed as a free-standing tower or in a 19-inch rackmount configuration.

Programmable Power Management Outlets

- With programmable power management outlets, users can easily and independently control load segments. During power failure, this feature enables users to extend battery time to mission-critical devices by shutting down the non-critical devices.

50/60 Hz Frequency Converter Mode

- Lock output frequency at 50Hz or 60Hz to suit power sensitive equipment.

ECO and Advanced ECO Mode for Energy Saving

- It allows the UPS to operate in high efficiency up to 97% in energy-saving ECO mode. In this operation mode, load is supplied by the mains. In the event of a mains failure, the inverter takes over the load and provides supply continuity to the connected systems. The Series V even offers advanced ECO mode to allow UPS to operate at higher efficiency up to 98%.

Emergency Power Off Function (EPO)

- This feature can secure the personnel and equipment in case of fires or other emergencies.

Hot-Swappable Battery Design

- Ensures clean and uninterrupted power to protected equipment during battery replacement.





On-Line, Single Phase UPS System

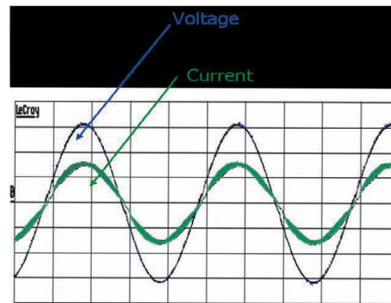
The UniStar® V represents the latest in single-phase technology at an affordable price. Its true on-line performance provides a constant clean, steady sine wave safeguarding the most sensitive equipment.

Double Conversion

The UPS provides clean AC power with voltage and frequency independent from the utility. On-line technology completely regenerates utility power to correct electrical disturbances in the mains.

High-Efficiency and Protection

PWM sine-wave topology yields excellent overall performance. The high crest factor of the inverter handles all high in-rush current loads without the need to upgrade the power rating.



Wide frequency and voltage windows of 40-70Hz and 55-150Vac (for 120Vac input), or 110-300Vac (for 230Vac input), are provided, which help to extend the life of the battery.

Near unity input power factor meets today's industry standard for energy savings and efficiency with low current harmonic pollution to the utility.

To protect the unit from overloading, the UPS will automatically switch to bypass mode in 30 seconds if loading is at 105%~120% of rated capacity.

It will automatically switch back to inverter mode once overload condition ceases. Selectable bypass input voltage tolerance (low/high sensitivity) prevents under or over voltage being

supplied to the loads while in bypass mode.

User Controls

An easy-to-read user-friendly LCD display provides real-time indication of all major system parameters and status, including load level, battery remaining, and fault signals for easy service.



Digital signal processing (DSP) also provides the UPS with powerful communication capability, which enhances the flexibility for easy remote control and monitoring.

Features

DC-start function ensures the start-up of UPS even during power outages.

Programmable receptacles offer the capability to load shed during any power interruption, while in battery power mode or during overload condition, via the use of special communication software provided, thus reserving backup power for priority loads.

Emergency shutdown control through EPO allows users to shutdown the UPS completely in an emergency to ensure a safe operating environment.

Applications

- Broadcast
- Processing Manufacturing (food/beverage, pharmaceutical, plastics, packaging)
- Water and Waste Water Treatment
- Hospitals/Medical
- Education/Research Laboratories

Communication software allows not only the control of the UPS and its smooth shutdown when utility fails, but also allows the user to:

- Completely test the major operating functions of the UPS
- Communicate via SNMP/Web/Network adapter
- Access UPS functions via the Web
- Alert users via SMS messages against specific events

Custom options slot allows further flexibility in network configuration.

An internal WEB/SNMP card, USB card, and True Relay card provide isolated contacts for industrial and remote alarm panel application.

User-friendly Plug-and-Play design allows hassle-free installation. All units up to 3000VA are supplied with input cables and output receptacles as standard.

Innovative battery management circuit analyzes battery discharging status to adjust battery cut-off point and extend the batteries' life span.

Internal maintenance-free sealed VRLA batteries minimizes the need for frequent after-sales service. The hot swappable battery feature allows users to replace the batteries without the hazard of electric shock, while the UPS supplies power continuously to critical load applications.

Built-in Charger provides ability to re-charge internal battery to approximately 90% in four hours. Matching battery cabinets are available to extend the UPS runtime easily to several hours.

Optional extended runtime capability by simply connecting additional battery packs. Just plug in the battery connectors between the UPS and battery packs without the requirement for additional chargers.

Extended run time battery packs are available for all models.

Size, capacity, and estimated run times

are shown in the table below. Back-up time is for the battery pack used with the UPS internal batteries.

Battery packs are external and hot swappable.

Optional Power Distribution Unit - SCV-ST provides a comprehensive feature set on its standard products usually found only on more expensive or custom products.



Optional Make-Before-Break Bypass Switch—

manually operated, external—ensures continuous supply of power to the critical load in the event of unexpected or scheduled maintenance.



Optional Maintenance Bypass

Model Number	Rating	Input Connection	Output Receptacles
USC-MBPDU-11	1000VA & 900VA	Attached 6' Cord with 5-15P	(8) 5-15R
USC-MBPDU-21	2000VA & 1700VA	Attached 6' Cord with 5-20P	(6) 5-15R & (2) 5-20R
USC-MBPDU-31	3000VA & 2500VA	Attached 6' Cord with L5-30P	(4) 5-15R & (1) 5-30R

Dimensions: 3.50" H x 17.30"W x 3.00"D (2U) / [88.9 x 439.4 x 76.2]

UniStar V Series, Universal Rack/Tower Mount 120VAC, 1000VA, 1500VA, 2000VA & 3000VA & LB Models, 900VA, 1250VA, 1700VA & 2500VA

UPS On-line, Double-Conversion – LCD Panel, USB and RS-232 Standard

Model Number	VA/Watts	Internal Battery (Minutes)	Input Cord	Output Connection	*Dimensions H" x W" x D" / [mm]	*Wt. lbs. / (kg)
SCV-10001	1000VA / 900W	2.7	5-15P	(4) 5-15R	3.39" x 17.24" x 16.44" (2U) [86.2 x 438.0 x 417.5]	29 / (13)
SCV-15001	1500VA / 1350W	2.7	5-15P	(4) 5-15R	3.39" x 17.24" x 20.38" (2U) [86.2 x 438.0 x 517.5]	42 / (19)
SCV-20001	2000VA / 1800W	2.7	5-20P	(8) 5-20R	3.39" x 17.24" x 20.38" (2U) [86.2 x 438.0 x 517.5]	47 / (21)
SCV-30001	3000VA / 2700W	2.7	L5-30P	(4) 5-20R & (1) L5-30R	3.39" x 17.24" x 27.74" (2U) [86.2 x 438.0 x 704.6]	65 / (29)
SCV-10001-LB	900VA / 810W	0	5-15P	(4) 5-15R	3.39" x 17.24" x 16.44" (2U) [86.2 x 438.0 x 417.5]	20 / (9)
SCV-15001-LB	1250VA / 1125W	0	5-15P	(4) 5-15R	3.39" x 17.24" x 16.44" (2U) [86.2 x 438.0 x 417.5]	26 / (12)
SCV-20001-LB	1700VA / 1530W	0	5-20P	(8) 5-20R	3.39" x 17.24" x 20.38" (2U) [86.2 x 438.0 x 517.5]	28 / (13)
SCV-30001-LB	2500VA / 2250W	0	L5-30P	(4) 5-20R & (1) L5-30R	3.39" x 17.24" x 27.74" (2U) [86.2 x 438.0 x 704.6]	33 / (15)

Standard Models: Maximum (1) External Battery Pack (SCV-BAT-1K, SCV-BAT-1.5K, SCV-BAT-2K or SCV-BAT-3K)
LB Models: Maximum (5) External Battery Pack (SCV-BAT-1K, SCV-BAT-1.5K, SCV-BAT-2K or SCV-BAT-3K)

- Note:
1. LB Models do not have internal batteries.
 2. Unit ships with bundled NetAgent 9 Shutdown Software.
 3. All units ship with floor stand and rack mount hardware.

*Always reference Spec Control Drawing (SCD) for the most current & accurate dimensions and weights

Three Year Warranty

Electronics:

A full **Three Year** parts with depot repair or replacement warranty is standard.

Battery:

A full **One Year Warranty** on the Battery System ensures that your batteries are protected from system failure now and in the future. (*Warranty provided by battery manufacturer.*) Extended warranties, customized service plans and preventative maintenance are also available. *Please refer to our warranty statement for complete details.*

Specification for 120/120VAC

MODEL (SCV)	10001	10001-LB	15001	15001-LB	20001	20001-LB	30001	30001-LB
Capacity VA / Watts	1000 VA 900 W	900 VA 810W	1500 VA 1350 W	1250 VA 1125 W	2000 VA 1800 W	1700 VA 1530 W	3000 VA 2700 W	2500 VA 2250 W
INPUT								
Capacity	Rated Volts	100VAC-120VAC						
	Low Transfer	Low Voltage 80 VAC/70 VAC/60 VAC/55 VAC ± 5 % (based on load percentage 100%-80% / 80%-70% / 70%-60% / 60%-0)						
	Re-Transfer	Low Voltage Re-Transfer 85 VAC/75 VAC/65 VAC/60 VAC ± 5 %						
	High Transfer	High Voltage 150 VAC ± 5 %						
	Re-Transfer	High Voltage Re-Transfer 142 VAC ± 5 %						
Frequency Range	50Hz/ 60Hz							
Power Factor	≥0.99 @ nominal voltage							
OUTPUT								
Output Voltage	100*/110*/115*/120VAC							
AC Voltage Regulation	± 1%							
Frequency Range	47 ~ 53 Hz or 57 ~ 63 Hz (Synchronized Range)							
Frequency Range	50Hz ± 0.5% or 60Hz ± 0.5% (Bat. Mode)							
Current Crest Ratio (CF)	5:1 (max.)							
Harmonic Distortion (THDU)	≤ 2% (Linear load) 8% max (Battery mode before shut down)							
Transfer Time	AC to DC	Zero						
	Inv. to Bypass	4 ms (Typical)						
Waveform (Battery Mode)	Pure Sinewave							
EFFICIENCY								
AC Mode	86% (typical), 88% (peak)				88% (typical), 90% (peak)			
Battery Mode	83% (typical), 86% (peak)				85% (typical), 88% (peak)			
BATTERY (NON-LB MODELS)								
Battery Type	(2) 12V/9Ah	No Internal	(3) 12V/9Ah	No Internal	(4) 12V/9Ah	No Internal	(6) 12V/9Ah	No Internal
Battery Time (Full Load)	2.7	0	2.7	0	2.7	0	2.7	0
Typical Recharge Time	4 hours recover to 90% capacity (for Non-LB models only)							
Charging Current (max.)	1 Amp	6 Amp	1 Amp	6 Amp	1 Amp	6 Amp	1 Amp	6 Amp
Charging Voltage	27.4 VDC ± 1%		41.1 VDC ± 1%		54.7 VDC ± 1%		82.1VDC ± 1%	
LCD DISPLAY								
Status	Load level 0-25%, 26-50%, 51-75% and 76-100%, Low Battery and Battery Good, Programmable Management Outlets working, UPS On-Line, UPS in Frequency Converter Mode, UPS On Bypass, Alarm Disabled Indicator and Battery Charger Working.							
Readings	Input Voltage and Frequency, Output Voltage and Frequency, Battery Backup Time (hours/minutes), Fault Indicator, Battery Voltage, Overload, and/or UPS Output is short circuited.							
Control/Select Buttons	Off/Enter - Turn UPS Off, Switch LCD Message, Mode Settings, Navigation Key, On/Mute + Select Button to switch to Bypass Mode.							
AUDIBLE & VISUAL ALARMS								
Warning Indicators	Low battery, Overload, Battery Not Connected, Overcharge, Site Wiring Fault, EPO Enabled, Over Temperature, Charger Failure, Battery Fault, Bypass Out of Range and Bypass Frequency Unstable							
**PHYSICAL WEIGHT & DIMENSIONS H" x W" x D" / [mm]								
Rack Mount	3.39" x 17.24" x 16.44" (2U) [86.2 x 438.0 x 417.5]		3.39" x 17.24" x 20.38" (2U) [86.2 x 438.0 x 517.5]		3.39" x 17.24" x 20.38" (2U) [86.2 x 438.0 x 517.5]		3.39" x 17.24" x 27.74" (2U) [86.2 x 438.0 x 704.6]	
Tower	17.24" x 3.39" x 16.44" (2U) [438.0 x 86.2 x 417.5]		17.24" x 3.39" x 20.38" (2U) [438.0 x 86.2 x 517.5]		17.24" x 3.39" x 20.38" (2U) [438.0 x 86.2 x 517.5]		17.24" x 3.39" x 27.74" (2U) [438.0 x 86.2 x 517.5]	
Net Weight lbs. / (kg)	29 / (13)	20 / (9)	42 / (19)	26 / (12)	47 / (21)	28 / (13)	65 / (29)	33 / (15)
ENVIRONMENT (Electronics)								
Operating	32°F (0°C) to 104°F (40°C)							
Humidity	20-90 % RH (non-condensing)							
Storage	-13°F (-25°C) to 104°F (40°C) BATTERIES (REFRESH Charge @ 3 months)							
Noise Level	Less than 50dBA @ 1 Meter							
MANAGEMENT / COMMUNICATION								
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008/7, Linux, Unix, and MAC							
Optional SNMP Card	Power management from SNMP manager and web browser							
Optional MODBUS Card	Communications from MODBUS							
Optional AS400 Card	With DB9 or 9 Pin Connector							
AGENCY								
Listing	UL1778/cUL	UL1778/cUL	UL1778/cUL	UL1778/cUL	UL1778/cUL	UL1778/cUL	UL1778/CE/cUL	UL1778/CE/cUL

* Derate capacity to 95% when the output voltage is adjusted to 115VAC. Derate capacity to 90% when the output voltage is adjusted to 110VAC. Derate capacity to 80% when the output voltage is adjusted to 100VAC.

**Always reference Spec Control Drawing (SCD) for the most current & accurate dimensions and weights

The UniStar® V Series Battery Run Time Charts

Standard External Battery Run Time Chart - Minutes Used with UniStar V Series, 120 VAC, Universal Tower/Rack 1000VA, 1500VA, 2000VA & 3000VA

UPS Rating	Part Number	Quantity Cabinets	# Strings Internal/External	25% Load	50% Load	75% Load	100% Load	*Dimensions H" x W" x D" / [mm]	*Wt. lbs. / (kg)
1000VA	Internal	0	1/0	24	10	5	2	3.39" x 17.24" x 17.04" (2U) [86.2 x 438.0 x 432.7]	38 / (17)
	SCV-BAT-1K	1	1/2	92	42	26	18		
1500VA	Internal	0	1/0	24	10	5	2	3.39" x 17.24" x 20.97" (2U) [86.2 x 438.0 x 532.7]	55 / (25)
	SCV-BAT-1.5K	1	1/2	92	42	26	18		
2000VA	Internal	0	1/0	24	10	5	2	3.39" x 17.24" x 20.97" (2U) [86.2 x 438.0 x 532.7]	64 / (29)
	SCV-BAT-2K	1	1/2	92	42	26	18		
3000VA	Internal	0	1/0	24	10	5	2	3.39" x 17.24" x 25.70" (2U) [86.2 x 438.0 x 652.7]	91 / (41)
	SCV-BAT-3K	1	1/2	92	42	26	18		

Note: 1. ONLY (1) Standard Battery Pack can be used on the SCV-X0002 Models without effecting recharge time.
 If (2) battery packs are used the recharge will take twice the time.
 2. If longer run times are needed or future expansion is planned the LB Model is recommended.
 3. Run times included total of internal and external battery strings.

*Always reference Spec Control Drawing (SCD) for the most current & accurate dimensions and weights

Standard External Battery Run Time Chart - Minutes Used with UniStar V, 120VAC, LB Models, Universal Rack/Tower 900VA, 1250VA, 1700VA & 2500VA

UPS Rating	Part Number	Quantity Cabinets	# Strings	25% Load	50% Load	75% Load	100% Load	*Dimensions H" x W" x D" / [mm]	*Wt. lbs. / (kg)
900VA	Internal	0	0	0	0	0	0	3.39" x 17.24" x 17.04" (2U) [86.2 x 438.0 x 432.7]	38 / (17)
	SCV-BAT-1K	1	2	65	29	18	12		
		2	4	147	68	43	30		
		3	6	236	110	70	49		
		4	8	331	155	98	69		
	5	10	429	201	128	91	190 / (85)		
1250VA	Internal	0	0	0	0	0	0	3.39" x 17.24" x 20.97" (2U) [86.2 x 438.0 x 532.7]	55 / (25)
	SCV-BAT-1.5K	1	2	71	32	19	13		
		2	4	161	75	47	33		
		3	6	258	121	76	54		
		4	8	362	170	108	76		
	5	10	470	221	140	99	275 / (125)		
1700VA	Internal	0	0	0	0	0	0	3.39" x 17.24" x 20.97" (2U) [86.2 x 438.0 x 532.7]	64 / (29)
	SCV-BAT-2K	1	2	69	31	19	13		
		2	4	157	73	46	32		
		3	6	253	118	75	53		
		4	8	354	166	105	74		
	5	10	459	215	137	97	320 / (145)		
2500VA	Internal	0	0	0	0	0	0	3.39" x 17.24" x 25.70" (2U) [86.2 x 438.0 x 652.7]	91 / (41)
	SCV-BAT-3K	1	2	71	32	19	13		
		2	4	161	75	47	33		
		3	6	258	121	76	54		
		4	8	362	170	108	76		
	5	10	470	221	140	99	455 / (205)		

Note: Weights include the total of all cabinets

*Always reference Spec Control Drawing (SCD) for the most current & accurate dimensions and weights

The UniStar® V Series Battery Run Time Charts (Continued)

Extended Battery Run Time Chart - Minutes Used with UniStar V, 120VAC, LB Models, Universal Rack/Tower 900VA, 1250VA, 1700VA & 2500VA

UPS Rating	Part Number	Quantity Cabinets	# Strings	25% Load	50% Load	75% Load	100% Load	*Dimensions H" x W" x D" / [mm]	*Wt. lbs. / (kg)
(2) HR1251W Batteries per string									
900VA	SCV-BAT-51-1K-1	1	1	49	21	12	8	8.72" x 19.00" x 22.94"(5U) [221.5 x 482.6 x 582.5]	55 / (25)
	SCV-BAT-51-1K-2	1	2	120	52	31	21		71 / (32)
	SCV-BAT-51-1K-3	1	3	198	88	53	36		88 / (40)
	SCV-BAT-51-1K-4	1	4	278	127	78	53		104 / (47)
	SCV-BAT-51-1K-5	1	5	358	168	103	71		120 / (54)
	SCV-BAT-51-1K-6	1	6	437	210	130	90		136 / (62)
	SCV-BAT-51-1K-7	1	7	514	252	158	110		152 / (69)
	SCV-BAT-51-1K-8	1	8	588	294	186	130		169 / (77)
(2) HR1290W Batteries per string									
900VA	SCV-BAT-90-1K-1	1	1	97	43	26	18.2	8.72" x 19.00" x 22.94"(5U) [221.5 x 482.6 x 582.5]	69 / (31)
	SCV-BAT-90-1K-2	1	2	220	102	64	44.7		100 / (45)
	SCV-BAT-90-1K-3	1	3	349	166	105	73.9		130 / (59)
	SCV-BAT-90-1K-4	1	4	481	232	148	104.7		160 / (73)
	SCV-BAT-90-1K-5	1	5	616	300	192	136.6		190 / (86)
(2) HR12150W Batteries per string									
900VA	SCV-BAT-150-1K-1	1	1	187	91	57	39	8.72" x 19.00" x 22.94"(5U) [221.5 x 482.6 x 582.5]	90 / (41)
	SCV-BAT-150-1K-2	1	2	398	197	129	93		141 / (64)
	SCV-BAT-150-1K-3	1	3	622	306	200	146		193 / (88)
(3) HR1251W Batteries per string									
1250VA	SCV-BAT-51-1.5K-1	1	1	54	23	14	9	8.72" x 19.00" x 22.94"(5U) [221.5 x 482.6 x 582.5]	63 / (28)
	SCV-BAT-51-1.5K-2	1	2	132	57	34	23		87 / (39)
	SCV-BAT-51-1.5K-3	1	3	217	97	59	40		111 / (50)
	SCV-BAT-51-1.5K-4	1	4	304	140	86	59		135 / (61)
(3) HR1290W Batteries per string									
1250VA	SCV-BAT-90-1.5K-1	1	1	106	48	29	20	8.72" x 19.00" x 22.94"(5U) [221.5 x 482.6 x 582.5]	85 / (39)
	SCV-BAT-90-1.5K-2	1	2	240	112	70	49		130 / (59)
	SCV-BAT-90-1.5K-2	2	4	524	253	162	114	17.44" x 19.00" x 22.94" (10U) [443.0 x 482.6 x 582.5]	260 / (118)
	SCV-BAT-90-1.5K-2	3	6	817	401	259	185	26.16" x 19.00" x 22.94" (15U) [664.5 x 482.6 x 582.5]	390 / (177)
(3) HR12150W Batteries per string									
1250VA	SCV-BAT-150-1.5K-1	1	1	203	100	63	44	8.72" x 19.00" x 22.94"(5U) [221.5 x 482.6 x 582.5]	115 / (52)
	SCV-BAT-150-1.5K-1	2	2	433	214	140	101		17.44" x 19.00" x 22.94" (10U) [443.0 x 482.6 x 582.5]
	SCV-BAT-150-1.5K-1	3	3	677	333	218	159	26.16" x 19.00" x 22.94" (15U) [664.5 x 482.6 x 582.5]	345 / (156)
(4) HR1251W Batteries per string									
1700VA	SCV-BAT-51-2K-1	1	1	53	22	13	9	8.72" x 19.00" x 22.94"(5U) [221.5 x 482.6 x 582.5]	71 / (32)
	SCV-BAT-51-2K-2	1	2	129	56	33	23		104 / (47)
	SCV-BAT-51-2K-3	1	3	212	95	57	39		136 / (62)
	SCV-BAT-51-2K-4	1	4	297	137	84	57		169 / (77)
(4) HR1290W Batteries per string									
1700VA	SCV-BAT-90-2K-1	1	1	104	47	28	19	8.72" x 19.00" x 22.94"(5U) [221.5 x 482.6 x 582.5]	100 / (45)
	SCV-BAT-90-2K-2	1	2	235	110	68	48		160 / (73)
	SCV-BAT-90-2K-2	2	4	513	248	158	112	17.44" x 19.00" x 22.94" (10U) [443.0 x 482.6 x 582.5]	320 / (146)
	SCV-BAT-90-2K-2	3	6	800	392	253	181	26.16" x 19.00" x 22.94" (15U) [664.5 x 482.6 x 582.5]	480 / (219)
(4) HR12150W Batteries per string									
1700VA	SCV-BAT-150-2K-1	1	1	199	97	62	42	8.72" x 19.00" x 22.94"(5U) [221.5 x 482.6 x 582.5]	141 / (64)
	SCV-BAT-150-2K-1	2	2	424	209	137	99		17.44" x 19.00" x 22.94" (10U) [443.0 x 482.6 x 582.5]
	SCV-BAT-150-2K-1	3	3	662	326	213	155	26.16" x 19.00" x 22.94" (15U) [664.5 x 482.6 x 582.5]	423 / (192)
(6) HR1251W Batteries per string									
2500VA	SCV-BAT-51-3K-1	1	1	54	23	14	9	8.72" x 19.00" x 22.94"(5U) [221.5 x 482.6 x 582.5]	88 / (40)
	SCV-BAT-51-3K-2	1	2	132	57	34	23		136 / (62)
	SCV-BAT-51-3K-2	2	4	304	140	86	59	17.44" x 19.00" x 22.94" (10U) [443.0 x 482.6 x 582.5]	272 / (124)
	SCV-BAT-51-3K-2	3	6	474	230	143	99	26.16" x 19.00" x 22.94" (15U) [664.5 x 482.6 x 582.5]	408 / (186)
(6) HR12150W Batteries per string									
2500VA	SCV-BAT-150-3K-1	1	1	203	100	63	44	8.72" x 19.00" x 22.94"(5U) [221.5 x 482.6 x 582.5]	193 / (88)
	SCV-BAT-150-3K-1	2	2	433	214	140	101		17.44" x 19.00" x 22.94" (10U) [443.0 x 482.6 x 582.5]
	SCV-BAT-150-3K-1	3	3	677	333	218	159	26.16" x 19.00" x 22.94" (15U) [664.5 x 482.6 x 582.5]	579 / (264)
	SCV-BAT-150-3K-1	4	4	926	456	298	217	34.88" x 19.00" x 22.94" (20U) [886.0 x 482.6 x 582.5]	772 / (352)

- Note:
- Battery Times are based on new batteries +/- 5%.
 - Extended Battery Packs are Hot Swappable, not individual batteries.
 - Weight includes total number of all cabinets.
 - Consult Factory for longer Run Times.

*Always reference Spec Control Drawing (SCD) for the most current & accurate dimensions and weights

Staco Service

Field Service Program

Staco specializes in providing choice and flexibility by developing tailored solutions for preventive and remedial maintenance services, as well as emergency repairs for all of our products. Staco Service is built upon a nationwide network of highly trained and motivated customer support engineers and technicians who can provide professional services and care throughout the life of your equipment.

- **Start-Ups**
- **Preventive Maintenance**
- **Spare Parts**
- **Battery Analysis/Refresh/Replacement**
- **On-Site Training**
- **Time & Material Services**
- **ServiStar: Providing security beyond our standard warranty**

Why Staco Energy Products?

Because we are your tailored power solutions provider!

Unique application design demands, harsh environment concerns, the need to meet non-standard physical space requirements—providing the “not so usual” is what we do best. From leading edge uninterruptible power supplies, power conditioners, power factor and harmonic correction equipment, to the world's most stable voltage control systems, we have the technology you need to protect and manage your business, and the knowledge to make it work for you.

Since 1937, customers worldwide have relied on Staco Energy as their tailored solutions provider, to solve a wide range of electrical power problems. Headquartered in Dayton, Ohio, Staco Energy Products is a wholly owned subsidiary of Components Corporation of America, located in Dallas, Texas.



Your Tailored Power Solutions Provider™

Contact Us:
US Toll Free: 866-261-1191
Phone: 937-253-1191
E-mail: sales@stacoenergy.com

For more information go to:
www.stacoenergy.com