

STACO ENERGY[®]

PRODUCTS CO.

UNI STAR[®] V Series 230/230VAC

**Standard & LB, Universal Tower/Rack Mount
1000VA, 1500VA, 2000VA & 3000VA**

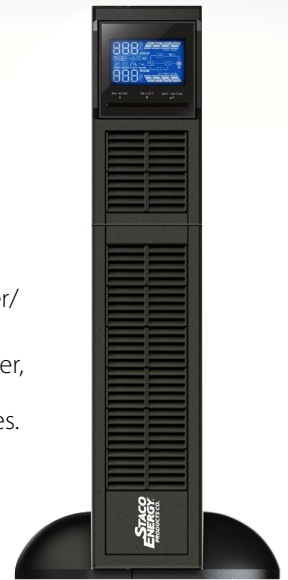
On-line, Single Phase, Double Conversion UPS

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 rack-mount 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 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 uninterruptible power to protected equipment during battery replacement.



On-Line, Single Phase UPS System

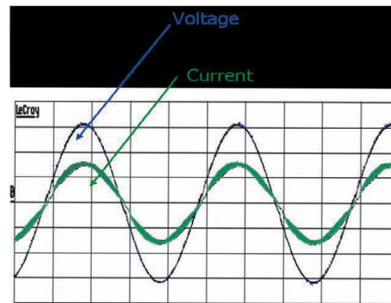
The UniStar® V represents the latest in single-phase technology at an affordable price. Its true on-line performance provides a constant clean, steady sine wave safeguarding the most sensitive equipment.

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 3KVA 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 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.

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.



Optional Maintenance Bypass

Model Number	Rating	Input Connection	Output Receptacles
USC-MBPDU-12	1000VA / 2000VA	Attached 6' Cord with IEC C14	(8) IEC C13
USC-MBPDU-32	3000VA	Attached 6' Cord with IEC C20	(6) IEC C13 & (1) IEC C18

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

Standard Run Time Models

UPS On-line, Double-Conversion .9pf – LCD Panel, USB and RS-232 Standard

Model Number	VA/Watts	Internal Battery (Minutes)	Input Cord	Output Connections	*Dimensions H" x W" x D" / [mm]	*Wt. lbs. / (kg)
Voltage: 230/230 VAC – 50/60 Hz – 1000VA, 1500VA, 2000VA & 3000VA CE, 3000VA CE/UL1778/cUL						
SCV-10002	1000VA/900W	2.7	(10A) IEC320-C14	(8) IEC60320-C13	3.39" x 17.24" x 16.44" (2U) [86.2 x 438.0 x 417.5]	29 / (13)
SCV-15002	1500VA/1350W	2.7	(10A) IEC320-C14	(8) IEC60320-C13	3.39" x 17.24" x 20.38" (2U) [86.2 x 438.0 x 517.5]	42 / (19)
SCV-20002	2000VA/1800W	2.7	(16A) IEC320-C20	(8) IEC60320-C13	3.39" x 17.24" x 20.38" (2U) [86.2 x 438.0 x 517.5]	47 / (21)
SCV-30002	3000VA/2700W	2.7	(16A) IEC320-C20	(6) IEC60320-C13	3.39" x 17.24" x 25.10" (2U) [86.2 x 438.0 x 637.5]	65 / (29)
Voltage: 230/230 VAC – 50/60 Hz – 1000VA, 1500VA, 2000VA & 3000VA-LB CE, 3000VA CE/UL1778/cUL						
SCV-10002-LB	1000VA/900W	0	(10A) IEC320-C14	(8) IEC60320-C13	3.39" x 17.24" x 16.44" (2U) [86.2 x 438.0 x 417.5]	20 / (9)
SCV-15002-LB	1500VA/1350W	0	(10A) IEC320-C14	(8) IEC60320-C13	3.39" x 17.24" x 20.38" (2U) [86.2 x 438.0 x 517.5]	26 / (12)
SCV-20002-LB	2000VA/1800W	0	(16A) IEC320-C20	(8) IEC60320-C13	3.39" x 17.24" x 20.38" (2U) [86.2 x 438.0 x 517.5]	27 / (12)
SCV-30002-LB	3000VA/2700W	0	(16A) IEC320-C20	(6) IEC60320-C13 (1) IEC60320-C20	3.39" x 17.24" x 25.10" (2U) [86.2 x 438.0 x 637.5]	33 / (15)

Standard SCV-X0002: 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)

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

Specification for 230/230VAC

Model (SCV)	10002	10002-LB	15002	15002-LB	20002	20002-LB	30002	30002-LB
Capacity VA/ Watts	1000 VA / 900 W		1500 VA / 1350 W		2000 VA / 1800 W		3000 VA / 2700 W	
INPUT								
Capacity	Rated Volts	220-240 VAC						
	Low Transfer	160 VAC/140 VAC/120 VAC/110 VAC ± 5 % (based on load percentage 100%-80% / 80%-70% / 70%-60% / 60%-0)						
	Re-Transfer	170 VAC / 150 VAC / 130 VAC / 120 VAC ± 5 %						
	High Transfer	300 VAC ± 5 %						
	Re-Transfer	290 VAC ± 5 %						
Frequency Range	40 Hz ~ 70 Hz							
Power Factor	≥0.99 @ nominal voltage							
OUTPUT								
Output Voltage	200/208/220/230/240 VAC							
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% THD (Linear load) 6% max (battery mode before shutdown)							
Transfer Time	AC to DC	Zero						
	Inv. to Bypass	4 ms (Typical)						
Waveform (Battery Mode)	Pure Sinewave							
EFFICIENCY								
AC Mode	87%				88%		88%	
Battery Mode	85%				86%		85%	
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
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 25.10" (2U) [86.2 x 438.0 x 637.5]	
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 25.10" (2U) [438.0 x 86.2 x 637.5]	
Net Weight lbs. / (kg)	29 / (13)	20 / (9)	42 / (19)	26 / (12)	47 / (21)	27 / (12)	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	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/CE/cUL	CE	UL1778/CE/cUL	CE	UL1778/CE/cUL	CE	UL1778/CE/cUL	UL1778/CE/cUL

* Derate capacity to 80% when the output voltage is adjusted to 200VAC/208VAC.

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

The UniStar® V Series Battery Run Time Charts



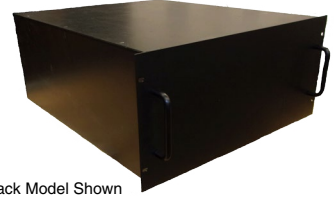
Standard External Battery Run Time Chart - Minutes

Used with UniStar V Series, 230VAC, 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		
	SCV-BAT-1K	1	1/2	92	42	26	18	3.39" x 17.24" x 17.04" (2U) [86.2 x 438.0 x 432.7]	38 / (17)
1500VA	Internal	0	1/0	24	10	5	2		
	SCV-BAT-1.5K	1	1/2	92	42	26	18	3.39" x 17.24" x 20.97" (2U) [86.2 x 438.0 x 532.7]	55 / (25)
2000VA	Internal	0	1/0	24	10	5	2		
	SCV-BAT-2K	1	1/2	92	42	26	18	3.39" x 17.24" x 20.97" (2U) [86.2 x 438.0 x 532.7]	64 / (29)
3000VA	Internal	0	1/0	24	10	5	2		
	SCV-BAT-3K	1	1/2	92	42	26	18	3.39" x 17.24" x 25.70" (2U) [86.2 x 438.0 x 652.7]	91 / (41)

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



Rack Model Shown

Standard External Battery Run Time Chart - Minutes

Used with UniStar V, 230VAC, LB Models, Universal Rack/Tower 1000VA, 1500VA, 2000VA & 3000VA

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)
1000VA	Internal	0	0	0	0	0	0		
	SCV-BAT-1K	1	2	57	25	15	10	3.39" x 17.24" x 17.04" (2U) [86.2 x 438.0 x 432.7]	38 / (17)
		2	4	130	60	38	26		76 / (34)
		3	6	209	98	61	43		114 / (51)
		4	8	292	137	87	61		152 / (68)
		5	10	380	178	113	80		190 / (85)
1500VA	Internal	0	0	0	0	0	0		
	SCV-BAT-1.5K	1	2	57	25	15	10	3.39" x 17.24" x 20.97" (2U) [86.2 x 438.0 x 532.7]	55 / (25)
		2	4	130	60	38	26		110 / (50)
		3	6	209	98	61	43		165 / (75)
		4	8	292	137	87	61		220 / (100)
		5	10	380	178	113	80		275 / (125)
2000VA	Internal	0	0	0	0	0	0		
	SCV-BAT-2K	1	2	57	25	15	10	3.39" x 17.24" x 20.97" (2U) [86.2 x 438.0 x 532.7]	64 / (29)
		2	4	130	60	38	26		128 / (58)
		3	6	209	98	61	43		192 / (87)
		4	8	292	137	87	61		256 / (116)
		5	10	380	178	113	80		320 / (145)
3000VA	Internal	0	0	0	0	0	0		
	SCV-BAT-3K	1	2	57	25	15	10	3.39" x 17.24" x 25.70" (2U) [86.2 x 438.0 x 652.7]	91 / (41)
		2	4	130	60	38	26		182 / (82)
		3	6	209	98	61	43		273 / (123)
		4	8	292	137	87	61		364 / (164)
		5	10	380	178	113	80		455 / (205)

Note: Weights include the total of all cabinets

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

- Tower/Rack Mount Convertible Design
- Compact and Lightweight
- Advanced Digital Control Technology
- Wide Input Voltage and Frequency Ranges
- Hot Swappable Battery
- Extended Run Time Capability
- Optional Make-Before-Break Maintenance Bypass

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

External Extended Battery Pack Run Time Chart - Minutes

For UniStar V Series, 230VAC, LB Models Universal Tower/Rack Mount Models, 1000VA, 1500VA, 2000VA & 3000VA

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										
1000VA	SCV-BAT-51-1K-1	1	1	42	18	11	7	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	105	45	27	18		71 / (32)	
	SCV-BAT-51-1K-3	1	3	174	77	46	31		88 / (40)	
	SCV-BAT-51-1K-4	1	4	246	111	68	46		104 / (47)	
	SCV-BAT-51-1K-5	1	5	318	147	90	62		120 / (54)	
	SCV-BAT-51-1K-6	1	6	390	185	114	78		136 / (62)	
	SCV-BAT-51-1K-7	1	7	460	222	138	96		152 / (69)	
	SCV-BAT-51-1K-8	1	8	529	260	163	114		169 / (77)	
(2) HR1290W Batteries per string										
1000VA	SCV-BAT-90-1K-1	1	1	85	38	23	15	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	194	90	56	39		100 / (45)	
	SCV-BAT-90-1K-3	1	3	310	147	92	64		130 / (59)	
	SCV-BAT-90-1K-4	1	4	428	205	130	92		160 / (73)	
	SCV-BAT-90-1K-5	1	5	548	266	170	120		190 / (86)	
(2) HR12150W Batteries per string										
1000VA	SCV-BAT-150-1K-1	1	1	166	81	50	34	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	355	175	114	82		141 / (64)	
	SCV-BAT-150-1K-3	1	3	554	273	179	130		193 / (88)	
(3) HR1251W Batteries per string										
1500VA	SCV-BAT-51-1.5K-1	1	1	42	18	11	7	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	105	45	27	18		87 / (39)	
	SCV-BAT-51-1.5K-3	1	3	174	77	46	31		111 / (50)	
	SCV-BAT-51-1.5K-4	1	4	246	111	68	46		135 / (61)	
(3) HR1290W Batteries per string										
1500VA	SCV-BAT-90-1.5K-1	1	1	85	38	23	15	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	194	90	56	39		130 / (59)	
	SCV-BAT-90-1.5K-2	2	4	428	205	130	92	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	670	327	210	149	26.16" x 19.00" x 22.94" (15U) [664.5 x 482.6 x 582.5]	390 / (177)	
(3) HR12150W Batteries per string										
1500VA	SCV-BAT-150-1.5K-1	1	1	166	81	50	34	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	355	175	114	82		17.44" x 19.00" x 22.94" (10U) [443.0 x 482.6 x 582.5]	230 / (104)
	SCV-BAT-150-1.5K-1	3	3	554	273	179	130		26.16" x 19.00" x 22.94" (15U) [664.5 x 482.6 x 582.5]	345 / (156)
(4) HR1251W Batteries per string										
2000VA	SCV-BAT-51-2K-1	1	1	42	18	11	7	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	105	45	27	18		104 / (47)	
	SCV-BAT-51-2K-3	1	3	174	77	46	31		136 / (62)	
	SCV-BAT-51-2K-4	1	4	246	111	68	46		169 / (77)	
(4) HR1290 Batteries per string										
2000VA	SCV-BAT-90-2K-1	1	1	85	38	23	15	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	194	90	56	39		160 / (73)	
	SCV-BAT-90-2K-2	2	4	428	205	130	92	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	670	327	210	149	26.16" x 19.00" x 22.94" (15U) [664.5 x 482.6 x 582.5]	480 / (219)	
(4) HR12150W Batteries per string										
2000VA	SCV-BAT-150-2K-1	1	1	166	81	50	34	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	355	175	114	82		17.44" x 19.00" x 22.94" (10U) [443.0 x 482.6 x 582.5]	282 / (128)
	SCV-BAT-150-2K-1	3	3	554	273	179	130		26.16" x 19.00" x 22.94" (15U) [664.5 x 482.6 x 582.5]	423 / (192)
(6) HR1251W Batteries per string										
3000VA	SCV-BAT-51-3K-1	1	1	42	18	11	7	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	105	45	27	18		136 / (62)	
	SCV-BAT-51-3K-2	2	4	246	111	68	46	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	390	185	114	78	26.16" x 19.00" x 22.94" (15U) [664.5 x 482.6 x 582.5]	408 / (186)	
(6) HR12150W Batteries per string										
3000VA	SCV-BAT-150-3K-1	1	1	166	81	50	34	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	355	175	114	82		17.44" x 19.00" x 22.94" (10U) [443.0 x 482.6 x 582.5]	386 / (176)
	SCV-BAT-150-3K-1	3	3	554	273	179	130		26.16" x 19.00" x 22.94" (15U) [664.5 x 482.6 x 582.5]	579 / (264)

- Note:
1. Battery Times are based on new batteries +/- 5%.
 2. Extended Battery Packs are Hot Swappable, not individual batteries.
 3. Weight includes total number of all cabinets.
 4. 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.

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- **Battery Analysis/Refresh/Replacement**
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