

S3K Mini-Tower Line-Interactive UPS

The S3K is an economical choice for those applications requiring the performance of a sinewave output, line interactive UPS with the mini-tower shape for cabinet installations. The S3K Series protects against most severe power disturbances through state-of-the-art, line-interactive technology. Most power disturbance corrections are accomplished without transferring to the internal battery. Utility power is continually protected by the S3K Series UPS's and internal battery life is optimized.

The UPS has built in protection for under and over voltage conditions including low-energy lightning surges introduced on the input power source. All S3K Series UPS are provided with an input circuit protector and surge protected data line connectors. The S3K Series UPS's are provided with a battery test function. Should the battery fail this test, the UPS will display a warning to indicate that the battery needs to be replaced.

Features

- Mini-Tower design for control cabinet installation.
- Automatic Voltage Regulation (AVR) topology saves battery power for deep voltage sag situations.
- · Sine wave output
- User replaceable, "hot swappable" batteries (Downtime for battery replacement not required).
- RS-232 Communications port
- Built-in surge protection
- Cold start capability (DC power on)
- Telephone/Modem spike protection
- Power Management software is included (UPSMON).
- 50/60 Hz auto sensing
- Fully digitized, microprocessor controlled
- Protects against most adverse power conditions including:

Frequency variationsSagsSpike

Blackouts
 Over and under voltages

Two Year Limited Warranty





Applications

- Workstations
- PLCs
- Robotics and Process Control
- Industrial Automation Systems
- · Automatic Service & Dispensing Equipment

Related Products

- Portable MCR Power Conditioners
- Surge Protective Devices
- Active Tracking[®] Filters

Battery Back-up Times Chart

Load %	S3K700	S3K1000	S3K1600
20	45	37	27
40	21	18	12
50	14	13	10
70	9	8	6
100	5	4	3

Note:

Back-up times are at 25°C, 77°F, with 100% capacity batteries and resistive loads.

Selection Table

Capacity (VA/W)	Catalog Number	Volts, Frequency (In/Out)	Typical Back–up Time (minutes)*	Input Plug/Output Receptacle	Approx. Ship Weight lbs (kg)
700/480	S3K700	120/120, 50/60 Hz	5/14	(Detached) 5-15P / (4)5-15R	34.1 (15.5)
1000/750	S3K1000	120/120, 50/60 Hz	4/13	(Detached) 5-15P / (4)5-15R	37.0 (16.8)
1440/1200	S3K1600	120/120, 50/60 Hz	3/10	(Attached) 5-15P / (6)5-15R	70.4 (32.0)

^{*} Full/Half Load (in minutes).



Specifications

Catalog Number	S3K700	S3K1000	S3K1600					
Power Rating (VA/Watts)	700/480	1000/750	1440*/1200					
Dimensions inches (mm)								
Unit (H x W x D)	8.3 x 5.5 x 1	7.2 (210 x 140 x 436)	8.9 x 6.7 x 17.7 (226 x 170 x 450)					
Shipping (H x W x D)	11.75 x 10.5 x	19.2 (300 x 265 x 492)	14.0 x 12.0 x 22.25 (358 x 307 x 581)					
Approx. Shipping Weight – Ibs (kg)	34.1 (15.5)	37 (16.8)	70.4 (32)					
Input AC Parameters								
Voltage Range	103-132 Vac							
Plug	6 ft. detachable with NEMA 5-15P Attached 5-15P							
Line to Boost Transfer	Maintains output to 120 Vac; -14%, when input is 120 Vac, -25%							
Line to Buck Transfer	Maintains output to 120 Vac; +10%, when input is 120 Vac, +23%							
Frequency	45-55 Hz or 55-65 Hz; auto sensing							
Output AC Parameters								
Voltage	103 Vac to 132 Vac							
Receptacles	(4) NEMA 5-15R		(6) NEMA 5-15R					
Frequency	50 Hz or 60 Hz ±0.5%							
Waveform	Sine wave							
Overload Warning	100-110% Nominal							
Overload Shutdown	200% Nominal							
		Battery Parameters						
Туре		Valve-regulated, non-spillable, lead	acid					
Battery Time (mins) (FL/HL)	5/14	4/13	3/10					
Qty. x Voltage x Rating	4 x 12 V x 7 AH		6 x 12 V x 7 AH					
Transfer Time	2-4 ms typical							
Back-up Time	See Battery Back-up Times Charts							
Recharge Time	4 Hours to 90% rated capacity, after full discharge into resistive load							
	lo		o resistive load					
Oneveting Temperature	Environmental							
Operating Temperature	+32°F to +104°F (0°C to +40°C) +5°F to +122°F (-15°C to +50°C)							
Storage Temperature Relative Humidity	0% to 95%, non-condensing							
Operating Elevation	Up to 10,000 ft. (3000 m) at 35°C without derating							
Audible Noise	45 dBA, (beyond 1 m) 45 dBA, (beyond 1 m)							
AUGIDIC NUISC	\40 u	Agency	CTO GENT, (DOYONG 1 III)					
Safety	UL 1778, cULus Listed							
Emissions	FCC Part 15, Subpart B, Class A							
Immunity	IEC 60801-2, Level 4 / IEC 60801-4, Level 4 / ANSI C62.41 Category A & B							
nimanity	ILO 00001 2, LOVOI T / ILO 00001 T, LOVOI T / ANDI 002.41 Oalogoly A & D							

^{*} Note: 1200W at 0.75 power factor equals 1600VA. Line cord limits total load to 1440 VA (max).