

### 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 variations
  - Surge
  - Sags
  - Spike
  - Blackouts
  - Over and under voltages
- Two Year Limited Warranty

#### 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	<b>S3K700</b>	120/120, 50/60 Hz	5/14	(Detached) 5-15P / (4)5-15R	34.1 (15.5)
1000/750	<b>S3K1000</b>	120/120, 50/60 Hz	4/13	(Detached) 5-15P / (4)5-15R	37.0 (16.8)
1440/1200	<b>S3K1600</b>	120/120, 50/60 Hz	3/10	(Attached) 5-15P / (6)5-15R	70.4 (32.0)

\* Full/Half Load (in minutes).



#### 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.

## Specifications

Catalog Number	S3K700	S3K1000	S3K1600
<b>Power Rating (VA/Watts)</b>	700/480	1000/750	1440*/1200
<b>Dimensions inches (mm)</b>			
<b>Unit (H x W x D)</b>	8.3 x 5.5 x 17.2 (210 x 140 x 436)		8.9 x 6.7 x 17.7 (226 x 170 x 450)
<b>Shipping (H x W x D)</b>	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)
<b>Approx. Shipping Weight – lbs (kg)</b>	34.1 (15.5)	37 (16.8)	70.4 (32)
<b>Input AC Parameters</b>			
<b>Voltage Range</b>	103-132 Vac		
<b>Plug</b>	6 ft. detachable with NEMA 5-15P		Attached 5-15P
<b>Line to Boost Transfer</b>	Maintains output to 120 Vac; -14%, when input is 120 Vac, -25%		
<b>Line to Buck Transfer</b>	Maintains output to 120 Vac; +10%, when input is 120 Vac, +23%		
<b>Frequency</b>	45-55 Hz or 55-65 Hz; auto sensing		
<b>Output AC Parameters</b>			
<b>Voltage</b>	103 Vac to 132 Vac		
<b>Receptacles</b>	(4) NEMA 5-15R		(6) NEMA 5-15R
<b>Frequency</b>	50 Hz or 60 Hz ±0.5%		
<b>Waveform</b>	Sine wave		
<b>Overload Warning</b>	100-110% Nominal		
<b>Overload Shutdown</b>	200% Nominal		
<b>Battery Parameters</b>			
<b>Type</b>	Valve-regulated, non-spillable, lead acid		
<b>Battery Time (mins) (FL/HL)</b>	5/14	4/13	3/10
<b>Qty. x Voltage x Rating</b>	4 x 12 V x 7 AH		6 x 12 V x 7 AH
<b>Transfer Time</b>	2-4 ms typical		
<b>Back-up Time</b>	See Battery Back-up Times Charts		
<b>Recharge Time</b>	4 Hours to 90% rated capacity, after full discharge into resistive load		
<b>Environmental</b>			
<b>Operating Temperature</b>	+32°F to +104°F (0°C to +40°C)		
<b>Storage Temperature</b>	+5°F to +122°F (-15°C to +50°C)		
<b>Relative Humidity</b>	0% to 95%, non-condensing		
<b>Operating Elevation</b>	Up to 10,000 ft. (3000 m) at 35°C without derating		
<b>Audible Noise</b>	<40 dBA, (beyond 1 m)		<45 dBA, (beyond 1 m)
<b>Agency</b>			
<b>Safety</b>	UL 1778, cULus Listed		
<b>Emissions</b>	FCC Part 15, Subpart B, Class A		
<b>Immunity</b>	IEC 60801-2, Level 4 / IEC 60801-4, Level 4 / ANSI C62.41 Category A & B		

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