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 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 is 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.

Applications

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

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
  - Sags
  - Blackouts
  - Surge
  - Spike
  - Over and under voltages
- Two year limited warranty

E179213

Certifications and Compliances

- Listed, UPS Equipment
  - UL 1778, CSA C22.2 No. 107.3
- IEC 60801-2, Level 4 / IEC 60801-4, Level 4 / ANSI C62.41 Category A & B

Related Products

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

Battery Back-up Times Chart

Load % Watts	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 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 (15.50)
1000/750	**S3K1000**	120/120, 50/60 Hz	4/13	(Detached) 5-15P / (4)5-15R	37.0 (16.80)
1440/1200	**S3K1600**	120/120, 50/60 Hz	3/10	(Attached) 5-15P / (6)5-15R	70.4 (32.00)

* 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)	8.30 x 5.50 x 17.20 (210.0 x 140.0 x 436.0)		8.90 x 6.70 x 17.70 (226.0 x 170.0 x 450.0)
Shipping (H x W x D)	11.75 x 10.50 x 19.20 (300.0 x 265.0 x 492.0)		14.00 x 12.00 x 22.25 (358.0 x 307.0 x 581.0)
Approx. Shipping Weight – lbs (kg)	34.1 (15.50)	37.0 (16.80)	70.4 (32.00)
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			
Type	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		
Environmental			
Operating Temperature	0°C to +40°C		
Storage Temperature	-15°C to +50°C		
Relative Humidity	0% to 95%, non-condensing		
Operating Elevation	Up to 10,000 ft. (3000 m) at 35°C without derating		
Audible Noise	<40 dBA, (beyond 1 m)		<45 dBA, (beyond 1 m)
Standards			
EMC	FCC Part 15, Subpart B, Class A		

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

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Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

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