

Sola 2K Line-Interactive Uninterruptible Power Systems (UPS)

One of the most compact line-interactive model on the market, the S2K Series UPS's protect against most severe power disturbances including over/under voltages through state of art, line-interactive technology. Because all S2K Series UPS's are line-interactive, most power disturbance corrections are accomplished without transferring to the internal battery. Utility power is continually protected by the S2K 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. Additionally, all S2K Series UPS are provided with an input circuit protector and a pair of surge protected data line connectors (RJ-45).

The S2K Series UPS's are provided with an automatic bi-weekly test function to insure the capability of the battery to supply power in emergency situations. Should the battery fail this test, the UPS will display a warning to indicate that the battery needs to be replaced.

Related Products

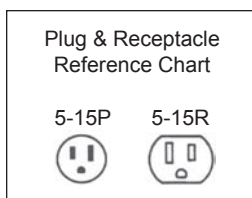
- Portable MCR Power Conditioners

Features

- 350 - 1000 VA
- Line-interactive with Data Line protection for telephone and network connections.
- Automatic Voltage Regulation (AVR) topology - saves battery power for deep voltage sag situations.
- Stepped sinewave output (Battery mode)
- Selectable input voltage
- Full sequence, automatic bi-weekly battery testing
- User replaceable, "hot swappable" batteries (Shutdown for battery replacement not required)
- MultiLink™ Power management software is available online.
- DB9 or USB communications cable included
- Protects against most adverse power conditions including:
 - Frequency variations
 - Spike
 - Blackouts
 - Surge
 - Sags
 - Over and under voltages

Applications

- PCs
- Workstations
- PLCs
- Computer peripherals



Selection Table

Capacity (VA/W)	Catalog Number	Volts, Frequency In/Out	Typical Runtime (minutes)*	Input Plug/ Output Receptacle	Approx. Ship Weight lbs (kg)
350/210	S2K350	110/120/127, 50/60 Hz	8/26	5-15P / (4) 5-15R battery backup & surge; (2) 5-15R surge only	18.1 (8.2)
500/300	S2K500	110/120/127, 50/60 Hz	8/24	5-15P / (4) 5-15R battery backup & surge; (2) 5-15R surge only	18.5 (8.4)
650/390	S2K650	110/120/127, 50/60 Hz	5/16	5-15P / (4) 5-15R battery backup & surge; (2) 5-15R surge only	22.9 (10.4)
1000/600	S2K1000	110/120/127, 50/60 Hz	5/18	5-15P / (6) 5-15R battery backup & surge; (2) 5-15R surge only	31.9 (14.5)

* Full/Half load (in minutes).

Sola 2K Battery Run Time Charts

S2K (120 V) Battery Run Times (Minutes)

Load %	S2K350	S2K500	S2K650	S2K1000
10	139	128	93	103
20	72	58	39	47
30	45	41	30	34
40	34	28	21	23
50	26	24	16	18
60	19	17	11	13
70	15	15	10	10
80	12	11	8	8
90	10	10	7	7
100	8	8	5	5

Sola 2K, 120 VAC Specifications

Catalog Number	S2K350	S2K500	S2K650	S2K1000
Capacity (VA/Watts)	350/210	500/300	650/390	1000/600
Dimensions - inches (mm)				
Unit (H x W x D)	8.7 in x 4.6 in x 7.7 in (222 mm x 116 mm x 196 mm)		8.7 in x 4.6 in x 14.1 in (222 mm x 116 mm x 358 mm)	
Shipping (H x W x D)	11.5 in x 7.7 in x 12.2 in (293 mm x 196 mm x 312 mm)		12.4 in x 9.5 in x 19.7 in (316 mm x 242 mm x 500 mm)	
Approx. Shipping Weight - lbs(kg)	18.1 (8.2)	18.5 (8.4)	22.9 (10.4)	31.9 (14.5)
Input AC Parameters				
Voltage Range without Battery Operation	78 to 150 VAC			
Line to Boost Transfer	104 VAC			
Line to Buck Transfer	124 VAC			
Frequency	46.5 - 63.5 Hz (±0.1 Hz)			
Input Power Cord	6 ft. (1.8m) attached, w/ NEMA 5-15P			
Output AC Parameters				
Voltage (Battery Mode)	120 VAC, ±8%			
Receptacles	(4) NEMA 5-15R (orange) Battery back-up + surge protection; (2) NEMA 5-15R (black) Surge Protection		(6) NEMA 5-15R (orange) Battery back-up + surge protection; (2) NEMA 5-15R (black) Surge Protection	
Waveform (Battery Mode)	Stepped Sinewave			
Voltage (Normal)	Nominal (110, 120, 127 VAC) ±10%, configurable			
Frequency	50 Hz or 60 Hz; auto sensing			
Overload Warning (Utility and Battery Modes)	> 100%			
Overload Shutdown (Utility and Battery Modes)	> 110%			
Battery Parameters				
Battery Type	Valve-Regulated, Lead Acid, Non-spillable			
Battery Qty x Voltage x Rating	(1) x 12 V x 7.0 AH	(1) x 12 V x 9 AH		(2) x 12 V x 7.5 AH
Transfer Time	4-6 ms typical			
Back-up Time:	See Battery Run Time Charts			
Full Load	8 minutes	8 minutes	5 minutes	5 minutes
Half Load	26 minutes	24 minutes	16 minutes	18 minutes
Recharge Time	6 hours to 90% capacity, after full discharge into 100% resistive load			
Environmental				
Operating Temperature	+32°F to +104°F (0°C to +40°C)			
Storage Temperature	+5°F to +104°F (-15°C to +40°C)			
Relative Humidity	0% to 90%, non-condensing			
Operating Elevation	Up to 10,000 ft. (3000 m) at 86°F (30°C) without derating			
Audible Noise	Less than 40 dB @ 1 meter			
Agency				
Safety	UL 1778, C-UL Listed			
ESD	EN61000-4-2, Level 3, Criteria A			
Surge Protection	ANSI C62.41, Category A, Level 3 (IEEE 587, Category A); EN61000-4-5, Level 3, Criteria A			
Susceptibility	EN61000-4-3, Level 3, Criteria A			
Electrical Fast Transient/Burst	EN61000-4-4, Level 4, Criteria A			
Emissions	FCC Part 15, Subpart B, Class B			