



## S4K2U-C INDUSTRIAL ON-LINE UPS

The all metal housing and bezel, SolaHD S4KC is a single-phase, on-line (double conversion) UPS system available in 700-3000VA, 120V and 230V. The on-line design means zero transfer time from external to internal power. When your utility power fails, your critical load remains supported by a seamless flow of power. Rack or tower configurable, the SolaHD S4KC UPS offers customers a higher power factor, longer battery life, higher reliability and reduced cost of ownership. Housed in a slim 2U (3.5") package, the SolaHD S4KC protects equipment from virtually all power disturbances due to blackouts, brownouts, sags, surges or noise interference. The UPS includes internal batteries.

### APPLICATIONS


- Industrial Automation Systems
- Critical Microprocessors and PC Based Systems
- Robotics and Process Control
- Programmable Logic Controllers (PLC)
- Mission Critical and High Speed Networks
- Enterprise Telecommunication Systems
- Pharmaceutical and Medical Diagnosis Equipment
- Printing and Publishing Machinery

### FEATURES

- Hardwire capability for permanent installation.
- Small 2U height maximizes available space.
- Input and output noise suppression.
- All metal housing and bezels.
- Higher output power factor of 0.90.
- PWM (pulse-width modulation) inverter reduces output voltage distortion.
- Add on batteries for extended back-ups.
- Integral sealed non-spillable batteries.
- Hot swappable, replaceable battery.
- Automatic restart.
- Automatic and manual battery test.
- Rack-mount or stand-alone tower mounting.
- Units are field configurable with a PC as a frequency converter (bypass will be disabled).
- Select S4KC models use an average of 35% less energy than their standard counterparts.
- Select S4KC models provide continuous uptime for the connected equipment, with capacity and battery back-up delivered in cabinets that use 2U of rack space.

- Integral dynamic bypass reduces shutdowns.
- Compatible with most standby generators.
- Two year limited warranty.

### CERTIFICATIONS AND COMPLIANCES

-  Listed, UPS Equipment
- S4K2U-C
  - UL 1778
  - CSA C22.2 No. 107.3
  - ISTA Procedure 1A

### RELATED PRODUCTS

- S5KC Modular Series On-Line UPS
- S4K2U-5C (230 Vac) Industrial On-Line UPS
- S4K4U (6 kVA) & S4K6U (10 kVA) Industrial On-line UPS
- S4K5U-5C (230 Vac) 6 kVA International On-Line UPS
- SDU UPS System
- STFE Elite Series SolaHD Tracking Filters with Surge Protection
- STV 25K DIN Rail Series
- Power Conditioning

**SOLAHD** For product information:  
www.solahd.com  
1.800.377.4384



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## SPECIFICATIONS

Catalog Number	S4K2U700-C	S4K2U1000-C	S4K2U1500-C	S4K2U2000-C	S4K2U3000-C
Capacity (VA/Watts)	700/630	1000/900	1500/1350	2000/1800	3000/2700
<b>Dimensions, D x W x H, mm (in)</b>					
Unit	500.4 x 430.0 x 86.4 (19.70 x 16.90 x 3.40)				602.0 x 430.0 x 86.4 (23.70 x 16.90 x 3.40)
Shipping	648.0 x 607.1 x 270.0 (25.50 x 23.90 x 10.60)				747.0 x 594.4 x 270.0 (29.40 x 23.40 x 10.60)
<b>Weight, kg (lbs)</b>					
Unit	16.80 (37.0)		23.20 (51.1)	23.20 (51.1)	32.40 (71.4)
Shipping	20.00 (44.1)		26.00 (57.3)	26.00 (57.3)	36.00 (79.4)
<b>Input AC Parameters</b>					
Voltage Range (typical)	120 Vac nominal; variable based on output load				
90% to 100% Loading	90 Vac/140 Vac		102 Vac/140 Vac		
70% to 90% Loading	86 Vac/140 Vac		96 Vac/140 Vac		
30% to 70% Loading	77 Vac/140 Vac		84 Vac/140 Vac		
0% to 30% Loading	60 Vac/140 Vac		60 Vac/140 Vac		
Power Factor	0.99				
Frequency	40 Hz to 70 Hz; auto sensing				
Input Power Cord *	10 ft. attached with NEMA 5-15P plug			10 ft. attached with NEMA 5-20P plug	10 ft. attached with NEMA L5-30P plug
<b>Output AC Parameters</b>					
Output Receptacles *	5-15R x 6		5-20R x 6		L5-30R x 1 + 5-20R x 6
Voltage	110/115/120/127 Vac (user-configurable) ±3%				
Waveform	Sine wave				
Utility (Vac) Mode Overload	200% for 2 seconds; 150% for 50 seconds with transfer to bypass				
Power Factor	0.90				
<b>Battery</b>					
Type	Valve-regulated, non-spillable, lead acid				
Qty x V x Rating	4 x 12 V x 5.0 Ah		4 x 12 V x 7.2 Ah	4 x 12 V x 9.0 Ah	6 x 12 V x 9.0 Ah
Battery Mfr./Part Number	YUASA/NPH5-12; CSB/HR 1221W		Panasonic/UP-RW1236; CSB/GP 1272	Panasonic/UP-RW1245; CSB/HR 1234W F2	
Recharge Time	3 hours to 90% capacity after full discharge with 100% load until UPS auto shutdown (internal batteries only)				
<b>Environmental Requirements</b>					
Operating Temperature	0 °C thru +40 °C (+32 °F thru +104 °F); See Operating Temperature Parameters				
Storage Temperature	-15 °C thru +50 °C (+5 °F thru +122 °F)				
Relative Humidity	0% to 95%, non-condensing				
Operating Elevation	Up to 10,000 ft. (3,000 m)				
Storage Elevation	50,000 ft. (15,000 m) maximum				

Notes:

\* Input power cord and output receptacles can be removed for hardwired applications.

SOLAHD

United States: 1.800.377.4384 | Asia/Pacific: + 65.6891.7600 | Australia: + 61.3.9721.0387  
 Brazil: São Paulo/SP + 55.11.2122.5777 | Brazil: Camaçari/BA + 55.71.3496.4427 | Canada: + 1.888.765.2226  
 China: + 86.21.3418.3888 | Europe: + 33.3.2254.1390 | Mexico/Latin America: + 52.55.5809.5049  
 Middle East/Africa/India: + 971.4.811.8100  
 www.solahd.com

