



S4K2U-C INDUSTRIAL ON-LINE UNINTERRUPTIBLE POWER SYSTEMS (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.

Optional matching external battery cabinets, also in a slim 2U size, offer extended battery runtime when needed.

The LED display indicates battery capacity, percentage of UPS load, battery operation, bypass operation and UPS fault condition.

The rack-tower models are supplied with securing flanges. Rack slide mounting hardware is available separately. All S4KC units come standard with a hard wire termination conduit box with cover and terminal block. It can be easily hardwired by removing the attached line cord and receptacle plate.



SUITABLE 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
-  ENERGY STAR certified:
 - 700, 1000, 1500, 2000, 3000 VA, 120V input

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 - Active Tracking® Filters with Surge Protection
- The STV 25K DIN Rail Series
- Power Conditioning

* Contact your local SolaHD sales representative for more information on these related products.

SOLAHD

For product information:
www.solahd.com
1.800.377.4384


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Industrial Automation

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S4K2U-C, 120 Vac, 50/60 Hz Tower/Rack-Mount Models 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
Dimensions, D x W x H, mm (in)					
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)
Weight, kg (lbs)					
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)
Input AC Parameters					
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
Output AC Parameters					
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				
Battery					
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)				
Environmental Requirements					
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.



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