

POWER SUPPLIES

SOLA/HEVI-DUTY UNINTERRUPTIBLE POWER SUPPLIES - UPS S1K, SDU SERIES



DESCRIPTION

The **Sola/Hevi-Duty S1K** and **SDU Series** of off-line Uninterruptible power supplies (UPS) provides economical protection from damaging power interruptions and impulses. The S1K units feature three separate outlets for critical devices needing battery backup and surge protection and one surge-protected-only outlet for non-critical devices. Connections are made to the DIN-rail mount **SDU** units on easy-to-wire screw terminals. In addition, RJ-45 connections for phone/data line surge protection are provided with both the **S1K** and **SDU**. UPS monitoring software and cable are included for communication with the protected computer by RS-232 interface. The **SDU** has an optional relay module that can be connected to the model's port.

SOLA/ HEVI-DUTY



S1K, SDU Series



POWER SUPPLIES

16

SPECIFICATIONS

MODEL		S1K320	S1K520	S1K650	S1K850	S1K1200	SDU500A	SDU850A
SUPPLY VOLTAGE	Capacity VA/Watts	320/240	520/340	650/390	850/600	1200/720	500/300	850/510
	Voltage (Single phase)	115V ±25%			115V ±20%		120V +10%, -20%	
	Frequency	50 or 60Hz ±10% (auto sensing)						
SECONDARY VOLTAGE	Voltage (on battery)	115 ±10%			115 ±5%		120V ±5%	
		Simulated sine wave						
	Frequency (on battery)	±0.3 Hz			50 or 60 Hz		±0.5% autosensing	
		Transfer Time	4 milliseconds, typical					typical <8 ms
PROTECTION	Unit Input	Circuit breaker for overload and short circuit protection						
	Overload Protection	UPS automatic shutdown if overload exceeds 105% of nominal at 20 seconds, 120% at 10 seconds, 130% at 3 seconds						
	Short Circuit	UPS output cut off immediately						
BATTERY	Type	Sealed, maintenance-free lead acid batteries						
	Typical Recharge Time (to 90% of full capacity)	4 hours			6 hours		8 hours	
	Backup Time (minutes)	10-20*	15-25*	15-30*	25-40*	30-45*	4**	2**
ALARM	Battery Back-up	Slow beeping sound every 4 seconds						
	Battery Low	Rapid beeping sound every second						
	Overload	Continue beeping sound						
ENVIRONMENT	Ambient operation	0% to 95% humidity non-condensing 0° to 40°C up to 10,000 ft (3000 m)						
	Audible noise	< 40 dBA (1 meter from surface)						
PHYSICAL	Net Weight - lbs (Kg)	12.4 (5.6)	14.3 (6.5)	8.1 (3.7)	10.8 (4.9)	10.8 (4.9)	10.7 (4.7)	11.4 (5.0)
	Dimensions - H x W x D (in/cm)	3.8" x 12.6" x 5.3" (9.7 x 32.0 x 13.5)	3.8" x 12.6" x 5.3" (9.7 x 32.0 x 13.5)	3.8" x 10.4" x 5.3" (9.7 x 26.5 x 13.5)	3.8" x 12.6" x 5.3" (9.7 x 32.0 x 13.5)		4.88" x 11.1" x 4.55" (12.4 x 28.1 x 11.1)	
AGENCY APPROVALS		E179213			UL1778 listed		UL recognized	E179213
WARRANTY		1 year						

*For typical 15" monitor **At full load

CAUTION: Do not attempt to open the UPS or replace the battery: **8.2 Extended Storage** - During extended storage in environments where the ambient temperature is: **Ambient Temperature:** -15° to +30°C (+5° to +86°F) Charge the UPS battery every 6 months. +30° to 45°C (+86° to +113°F) Charge the UPS battery every 3 months.

ORDERING INFORMATION

MODEL	DESCRIPTION
S1K320	Uninterruptible power supply, 320 VA, Table top mount
S1K520	Uninterruptible power supply, 520 VA, Table top mount
S1K650	Uninterruptible power supply, 650 VA, Table top mount
S1K850	Uninterruptible power supply, 850 VA, Table top mount
S1K1200	Uninterruptible power supply, 1200 VA, Table top mount
S1K-PMBRK	Wall/panel mount bracket for S1K UPS (not for S1K650)
SDU500A	Uninterruptible power supply, DIN Rail Mount, 500 VA, 120V
SDU850	Uninterruptible power supply, DIN Rail Mount, 850 VA, 120V
SDU-PMBRK	Wall/Panel mount bracket for SDU
SDUCFRELAYCARD	Dry contact I/O Relay Card for SDU A