

WE GO THE DISTANCE FOR YOU



DIN Rail UPS 300W / 500W

PRODUCT INFO

The new Sprint Series DIN Rail AC UPS is an industrial-rated uninterruptible power supply that features a wide operational temperature range in a compact package. Using the latest micro-controller technology, the unit provides mitigation from power quality issues that adversely affect critical loads found in industrial automation, process control and other similar applications.

They are specifically designed to conveniently mount on a DIN Rail alongside similarly installed electronics such as PLC's, industrial computers, cybernetics, automation, SCADA and process control apparatus. However, due to its compact size and relative light weight, it can also be installed internal to a fab tool, CNC machine, 3-D printer or automated device or process that needs basic protection against voltage dips and momentary power interruptions.

These units contain an internal battery that is easily removable and hot-swappable. They use hard-wire terminal connections for the input and output, which is typical in these types of installations. They include both an automatic and manual self-test feature that checks the state of the battery and UPS itself. The battery is automatically charged when AC input power is present. When the incoming power falters, the unit transfers to back-up mode, indicating this state visually and audibly. If the battery is faulty, an alarm sounds and an LED indicator will illuminate.

FEATURES & BENEFITS

- Listed to UL 1778, CSA C22.2 #107.3. Recognized for UL508A CE Certified
- Compact design in a rugged, industrially-rated enclosure
- DIN Rail, shelf or panel mount
- For wide temperature ranges, harsh environments
- IP20-rated hardwire terminals for AC connections
- Various self-diagnostics and alarm outputs
- Easily removable, hot-swappable battery with integral pull tab
- Overload, overcharge and fault protection in all modes
- No internal fan, no extra cooling required
- LED Status Indicators
- Various communication options
- Optional PCB conformal coating

APPLICATIONS

- Industrial Automation
- Process Control
- PLC's
- Mini Computers
- SCADA
- OEM Equipment
- Robotics
- Material Handling

ADDITIONAL FEATURES



AUX DC OUTPUT



REMOTE OPTIONS



RS232 & SOLID STATE CONTACTS

Specifications

Model	DINR-300		DINR-500	
Capacity	500VA / 300W		850VA / 500W	
INPUT				
Voltage	120V (+10%, -20%); 230V (±20%); 240V(+15% -20%)			
Frequency	50Hz ± 10%; 60Hz ± 10%			
Maximum Input Current	10A			
Inrush Current	25A			
Transient Suppression	EN61000-4-5, L-N: 1KV, L-G or N-G: 2KV			
Short Circuit Protection	Yes			
Battery String Voltage	12VDC			
OUTPUT				
Power	500W / 850VA 300W / 500VA			
Output Voltage	120V / 230V / 240V ± 5%			
Frequency (On Battery)	50 / 60HZ ±0.3Hz			
Output Power Factor	0.6			
Waveform	Stepped Square Wave			
Load Crest Factor	3:1			
Transfer time	4-6 ms typical			
Overload Capacity	UPS automatic power off if overload exceeds 105% of nominal at 20 seconds; 120% at 10 seconds; 130% at 3 seconds			
Short circuit protection	UPS output cut off immediately			
BATTERY				
Type	Sealed, maintenance-free lead acid battery			
Battery quantity	12V 7.2Ah x 1		12V 9Ah x 1	
Typical recharge time	8 hours to 90% capacity after full discharge			
Backup time	100% load - 4 mins 50% load - 13 mins		100% load - 2 mins 50% load - 9 mins	
GENERAL				
Dimension (W x D x H)	11.1 x 4.6 x 4.9 inches 281mm x 116mm x 124mm			
Product weight	9.7lbs / 4.4kg		10.8lbs / 4.9kg	
Mounting	DIN Rail or Panel Mount			
Input Connection	Hardwire Terminal Block			
Output Connection to Loads	Hardwire Terminal Block			
Cooling	Natural Convection			
Shock and vibration	ISTA 2A			
Audible noise	< 40dBA (1meter from surface)			
Altitude, ft (m)	5000ft / 1524m without derating			
Operating temperature	32°F to 122°F / 0°C to 50°C			
Storage temperature	5°F to 140°F / -15°C to +60°C			
Humidity	<95%, non-condensing			
Cooling	Natural Convection			
Approvals	Listed to: UL 1778:2014 Ed.5+R: 12 Oct 2017 CSA C22.2#107.3: 2014 Ed.3 + U1 Recognized for UL508A Industrial Control Panels CE (230V Models)			

Part Numbers:

120V: SDRS-0300-H1, SDRS-0500-H1
230V: SDRS-0300-H2, SDRS-0500-H2

For more information:



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