



DIN Rail UPS

500VA / 300W • 850VA / 500W

Marathon Power's 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.



**DIN Rail UPS Rear View
with New and Improved Mounting Clips**



E316102: UL 1778, and UL 508 Temperature Tested, Suitable For Use in Industrial Control Panels.

E539035: CID2 Groups A, B, C, & D Hazardous Locations Explosion-Proof.

CSA C22.2 NO. 107.3-14, 3rd Ed

FEATURES & BENEFITS

- Compact design, rugged, industrially-rated enclosure
- Flexible mounting options
- Spring loaded mounting clips for secure & easy install
- For wide temperature ranges, harsh environments
- IP20-rated hardwire terminals for AC connections
- Wide temperature battery
- High temp battery charger shut off
- Easily removable, hot-swappable battery
- Overload, overcharge and fault protection
- No internal fan, no extra cooling required
- LED Status Indicators
- Various self-diagnostics and alarm outputs
- Optional PCB conformal coating
- Flexible communication options



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 Marathon Power Inc.

 Marathon Power

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Specifications

Model	SDRS-0300-H1 / H2					SDRS-0500-H1 / H2				
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 Rating	500VA / 300W • 850W / 500W									
Output Voltage	120V / 208V / 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 500VA / 300W										
% of Max Load (Watts)	10	20	30	40	50	60	70	80	90	100
Minutes	110	48	24	15	14	10	7	6	4	4
BACKUP TIME 850VA / 500W										
% of Max Load (Watts)	10	20	30	40	50	60	70	80	90	100
Minutes	73	32	17	13	8	6	5	3	2	2
GENERAL										
Dimension (W x D x H)	11.1 x 4.6 x 4.9 inches • 281mm x 116mm x 124mm									
Product weight	9.7 / 4.4kg					10.8 / 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 (+/- 2°C)									
Storage temperature	5°F to 140°F / -15°C to +60°C									
Humidity	<95%, non-condensing									
Cooling	Natural Convection									
Approvals	120V: UL1778, UL508, cUR (UL File #E316102) CID2 Hazardous Locations, Explosion-Proof (UL File #E539035), CSA C22.2 NO. 107.3-14, 3rd Ed 230V: CE									

Communication Options



MODBUS NET485



Dry Contacts Relay Box



SNMP / Web Card