Eaton DIN Rail Industrial UPS

Reliable, flexible power protection for smart, connected industrial applications

Designed to deliver reliable power and battery backup to computing, networking, control and storage equipment, the Eaton DIN rail industrial UPS withstands the demanding conditions of industrial environments. A compact housing with DIN rail mounting enables easy integration in non-traditional IT spaces, including factories, warehouses and edge computing locations. AC and DC power options offer compatibility with a wide variety of IT and OT applications.

Meet the challenge of industrial environments

Designed for the factory floor and beyond
Built to fit in small spaces, the DIN rail UPS is a UL 508 recognized component for use in industrial panels. The rugged metal housing has a built-in clamp that enables quick mounting to 35 mm DIN rails. To reduce noise and increase reliability, the UPS has a fanless design.

Wide operating temperature range
Get full use of the UPS power capacity because there is no derating of the UPS based on its operating temperature range. The UPS can withstand hot and cold temperatures, so you have flexibility in its placement. In hot locations, a high temperature rating reduces the need for cooling.

Guard against expensive downtime

Reliable power protection and battery backup
Protect industrial internet of things (IIoT) devices against blackouts, brownouts, overvoltages and power surges. In the event of a prolonged outage, battery backup allows time for task completion and graceful shutdown of equipment.

Convenient automatic restart
AC models automatically restart when AC power is restored after an outage, eliminating the need for a site visit.

Stay in control of your operation

Monitoring and control
In addition to a power button, the UPS has remote on/off capability. LEDs on the front panel confirm normal operation and indicate alarm or fault status. AC models are compatible with PowerAlert Office software for UPS monitoring and control via USB connection. DC models have dry contacts for battery status and UPS communication.

Easy preventative maintenance and initial troubleshooting
An automatic self-test feature and battery indicator mode help you avoid maintenance surprises. AC models also have manual self-test capability and a user-replaceable internal battery to extend the life of the UPS and minimize disruption to operations. DC models require an external battery module (BPDIN24XL, sold separately) and support up to four battery modules to extend runtime.
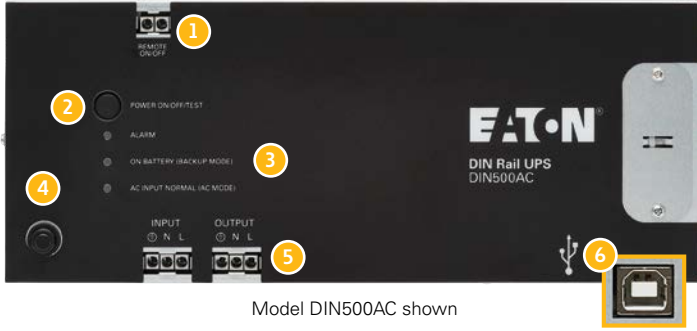
Product support

Eaton provides product support 24 hours a day, 7 days a week. If you have a question or need to find a replacement battery, Eaton can help.

Powering Business Worldwide

AC models, front panel

Model DIN500AC shown

DC models, front panel

Model DIN24240DC shown

DC models, back panel

AC models, back panel

1. Remote on/off terminals
2. Power on/off button (Button on AC models also has test function)
3. LED indicators
4. Circuit breaker
5. Input and output screw terminals (IP20 rated)
6. USB port
7. Battery input terminals
8. Remote on/off and dry contact outputs
9. DIN rail clamp

DIN RAIL INDUSTRIAL UPS MODEL SELECTION GUIDE*

Catalog number	Topology	Rating	Input/output connection	Battery type	Battery runtime (min) Full/half load	Operating temperature	Dimensions (H x W x D), in	Net weight, lb
120V AC models								
DIN500AC	Standby	500 VA/300W	Hardwired	Replaceable internal battery (SLA)	4/14.5	32° to 122° F (0° to 50° C)	5.2 x 12.3 x 5.5	11.6
DIN850AC	Standby	850 VA/510W	Hardwired	Replaceable internal battery (SLA)	2/7	32° to 122° F (0° to 50° C)	5.2 x 12.3 x 5.5	12.13
24V DC models								
DIN24240DC	Standby	240W	Hardwired	BPDIN24XL battery module (sold separately)**	10/20 (1 battery)	5° to 122° F (-15° to 50° C)	5.1 x 1.6 x 4.7	0.9
DIN24480DC	Standby	480W	Hardwired	BPDIN24XL battery module (sold separately)**	3/10 (1 battery)	5° to 122° F (-15° to 50° C)	5.1 x 1.6 x 4.7	0.9

* Due to continuous improvement programs, all specifications are subject to change without notice. ** One battery module is required. Up to four battery modules can be used to extend runtime.

Required DIN rail battery module for DIN24240DC & DIN24480DC

UPS model	+1 battery module runtime (min) Full load	+2 battery modules runtime (min) Full load	+3 battery modules runtime (min) Full load	+4 battery modules runtime (min) Full load	Catalog number
DIN24240DC	10	23	35	50	BPDIN24XL
DIN24480DC	3	7	14	22	BPDIN24XL

Model: BPDIN24XL

For more information about the DIN rail industrial UPS, please visit:
Eaton.com/DINRailUPS

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