

Eaton DIN Rail UPS technical specifications¹

Model overview

Catalog number	Power rating (VA/watts)	Input	Output	Dimensions (H x W x D, in.)	Weight (lb.)
AC 120V, 50/60 Hz models					
DIN500AC	500/300	Hardwire (L, N, G)	Hardwire (L, N, G)	5.2 x 12.28 x 5.5	11.57
DIN850AC	850/510	Hardwire (L, N, G)	Hardwire (L, N, G)		12.13
DC 24VDC models					
DIN24240DC	240W	Hardwire (+, -)	Hardwire (+, -)	4.88 x 1.57 x 5.06	0.93
DIN24480DC	480W	Hardwire (+, -)	Hardwire (+, -)		
DC UPS EBM model (DC DIN Rail UPS only. Limit 4 per DC UPS)					
BPDIN24XL	24V DC 5AH	-	2x Hardwire (+/-)	4.8 x 8.31 x 12	9.17

Battery runtimes²

Wattage	150W	300W
Model		
DIN500AC	14 minutes	4 minutes
Model / Wattage	255W	510W
DIN850AC	7 minutes	2

Wattage	120W	240W
Model		
DIN24240DC + 1 BPDIN24XL	20	10
DIN24240DC + 2 BPDIN24XL	45	23
DIN24240DC + 3 BPDIN24XL	77	35
DIN24240DC + 4 BPDIN24XL	113	50
Model / Wattage	240W	480W
DIN24480DC + 1 BPDIN24XL	10	3
DIN24480DC + 2 BPDIN24XL	23	7
DIN24480DC + 3 BPDIN24XL	35	14
DIN24480DC + 4 BPDIN24XL	50	22

Additional specifications

General	DIN500AC	DIN850AC	DIN24240DC	DIN24480DC
LED Indicators	AC Mode, Backup Mode, Alarm		Power, Fault	
Topology	Standby			
Configuration	DIN Rail			
Color	SILVER/BLACK			
Warranty	2 years, including batteries			

Contents (Ships with the following items)	– DIN Rail UPS – Safety Card/Warranty Card – Quick Start Guide – USB cable (AC models only)	
Electrical input		
Nominal voltage	120V AC	24VDC

	DIN500AC	DIN850AC	DIN24240DC	DIN24480DC
Electrical input (cont.)				
Input voltage range	120V: 97-134 Vac		21.6~28.6 VDC	
Frequency	50/60 Hz		-	
Frequency range	60 Hz: 57~70 Hz 50 Hz: 46~70 Hz		-	
Electrical output				
On utility voltage regulation	120V: 102-132 Vac		24V	
Efficiency	Normal or line mode: >95% at 100% load			
Frequency tolerance	±0.1Hz		-	
Over current protection	Electronic current limit			
Battery				
Battery description	Sealed, lead-acid; maintenance free			
Battery replacement	User-replaceable internal batteries (non-hot-swappable)		External BPDIN24XL – User-replaceable 12V 5AH	
Start on battery	Cold start enabled; first cold start is requiring AC connection for startup			
User interface	Power On/Off/Test momentary button		Power On/Off momentary button	
Communication ports	HID-PDC USB (USB-B)		-	
Power management software	PowerAlert Office		-	
Environmental & standards				
RoHS compliance	Yes			
Surge protection	IEEE ANSI C62.41 Cat B2			
EMI/EMC compliance	FCC Part 15 subpart B Class A / ICES-003 Issue 7			
Audible noise	< 25 dB at 1 meter typical			
Operating temperature	0° to 50°C (32°F to 122°F)			
Safety Markings	UL 62368-1, CAN/CSA-C22.2 No. 62368-1 UL Recognized (All models); CE, UKCA (DC Models only)			
Storage temperature	-25°C to 40°C (-13°F to 104°F)			
Relative humidity	0 to 95% non-condensing			
Altitude	Up to 10,000ft (3000m) Without de-rating			

1. Due to continuing product improvement programs, specifications are subject to change without notice.
2. Runtimes are displayed in minutes. Runtimes are approximate and may vary with equipment, configuration, battery age, temperature, etc. View interactive runtime graphs at www.eaton.com/DINRAILUPS.