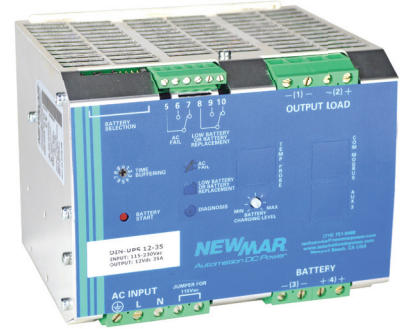


DIN-Rail DC UPS

**Powers Loads and Charges Back-Up Battery,
Ideal for Security, Wisp, Automation and Wireless System Transmitter Applications**

- Combines all system power functions: power supply, battery charger, UPS circuitry and status monitoring in ONE compact DIN rail mount unit
- Separate outputs for load and battery
- "Load priority" circuit ensures power is dedicated first to the load, with remainder then allocated to battery charging, thus preventing a discharged battery from impacting operation of critical loads.
- 3 step charging for rapid battery recovery, programmable for battery type, with optional temperature compensation sensor
- Battery automatically supports load anytime AC fails
- Low voltage disconnect prevents total battery discharge
- Operates from street light voltage, 277V AC
- Automatic periodic battery health diagnosis
- High operating temperature range to 70° C
- Alarm contacts: AC fail, battery at risk
- Communication MODBUS via RS-45 Interface (DIN-UPS-48-10/24-20/12-35)
- CE Approved/Designed to UL 1950



**DIN-UPS 12-35/24-20/48-10
(Case Size C)**



CE
UL
US
DIN-UPS 12-10

(Case Size A)



DIN-UPS 24-10/48-5

Specifications

Front Panel LED Indicators:

- Power Source: AC or on back up
- Battery and System Diagnostics (via blink code)

Settings/Selectors:

- Battery Type: Lead Acid, Gel-Cell
- Charge Current Limit: 20 - 100% of charge rating
- Back-Up Run Time on Batteries:
 - Programmed time limit: 1 - 60 min. (48-10, 24-20, and 12-35 models only)
 - Or
 - Until LVD disconnect (all models)
- Power Restore Button: re-connects battery without AC present

DIN UPS: 115/230/277 (305) VAC Input

DIN-UPS Model	Output		MODBUS	Case
	Voltage	Power		
12-10*	12 VDC	10 Amps	NA	A
12-35	12 VDC	35 Amps	Yes	C
24-10	24 VDC	10 Amps	NA	B
24-20	24 VDC	20 Amps	Yes	C
48-5	48 VDC	5 Amps	NA	B
48-10	48 VDC	10 Amps	Yes	C

*UL Recognized Component



Signal Outputs (form C):

- AC Fail - operating on back-up power
- Battery abnormal condition (summary contact): Discharged, damaged, disconnected
- MODBUS Communication (DIN-UPS 48-10/24-20/12-35) only)

(Case Size B)

Temperature: -25 to +70° C. Continuous to 50°, de-rate 2.5% per° C >50° C (50% output @ +70° C)

Cooling: Free air, convection

Reliability (MTBF): >300,000 Hours

Protection:

- Low Voltage disconnect at 1.5 volts per cell
- Internal fuse
- Current limiting
- Short circuit and reverse polarity protection
- Thermal overload shut down and recovery

Terminal Blocks: Screw type

Mounting: DIN Rail Bracket (35mm)

Optional:

- Battery temp. sensor, 3 or 10 foot cable length
- BDA/DAS version w/ NFPA compliant alarm signals

Case	Dimensions (H x W x D)	Weight
A	4.5" x 2.6" x 5.3"	2 Lbs.
B	4.5" x 3.9" x 5.3"	2 Lbs.
C	4.5" x 5.9" x 5.3"	4 Lbs.

Powering the Network