

# DC UPS for Public Safety DAS

- Combines power supply, battery charger, UPS circuitry and status monitoring in ONE compact DIN rail mount unit
- Alarm outputs comply with NFPA public safety in-building wireless communications back-up power requirements:
  - AC Fail, Low Battery, & Charger Fail
- Separate outputs for load and battery
- "Load Priority" circuit prevents discharged battery from impacting operation of critical loads when AC power is restored
- 3 step charging for rapid battery recovery, programmable for battery type, with optional temperature compensation sensor
- Low voltage disconnect protects battery from total discharge
- High operating temperature range to 70° C
- Communication MODBUS via RS-485 Interface/RJ-45 (Model 48-10 only)
- CE Approved/Designed to UL 1950

## Battery Detection Signal Outputs (form C):

1. AC Fail
2. Low battery voltage indicating battery discharge by 70% (i.e. only 30% capacity remains)
3. Internal charger/power circuit fail

## Specifications

Refer to page 11 for DIN-UPS/BDS unit specifications.



BDS-DIN-UPS	Output		MODBUS	Case
Model	Voltage	Power		
12-10	12 VDC	10 Amps	No	A
24-10	24 VDC	10 Amps	No	B
48-10	48 VDC	10 Amps	Yes	C

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.

## DIN RAIL Mount Batteries

These DIN Rail mount cases provide a quick and convenient method to integrate batteries into a DC UPS system resulting in a professional integration.

The enclosures feature heavy duty clips for 35mm rail, with additional case top and bottom hanging tabs if extra mounting security or non-DIN Rail mounting is desired. Touch safe screw terminals are located at top of the case for easy connection and wire routing. The convenient fold down door gives quick access to fuses and allows easy battery replacement.

Configuration choices include 12, 24, and 48 volts, in capacity of 1.2 to 14 amp hours.

Model	Voltage	Amp-Hours	Case	Weight
DIN-BATT 12-1.2	12V DC	1.2	A	3.8 Lbs.
DIN-BATT 24-1.2	24V DC	1.2	A	3.8 Lbs.
DIN-BATT 12-12.0	12V DC	12.0	B	6.8 Lbs.
DIN-BATT 24-7.0	24V DC	7.0	B	11.6 Lbs.
DIN-BATT 48-1.2	48V DC	7.0	2 x A	7.2 Lbs.
DIN-BATT 48-7.0	48V DC	7.0	2 x B	23.2 Lbs.



Case B



Case A

Case	Dimensions (D x H x W)
A	4.6" x 7" x 2.75"
B	4.9" x 8" x 5.5"



Powering the Network