

Enclosure Power System



Power Supply, battery charger, alarms, and low voltage disconnect all in one unit.

The Enclosure Power System is designed specifically for outdoor cabinet applications which typically include back up batteries. The environmentally hardened power circuitry provides 12 or 24 volts to the load and maintains the back-up batteries. A sense circuit adjusts charge voltage based on temperature ensuring batteries are properly maintained no matter the climate.

A low voltage disconnect circuit removes the load from the batteries after an extended power outage, thus preventing total discharge and allowing rapid replenishment when AC is restored. There are also alarm contacts that can be user configured to monitor several vital functions of the system and relay information to base station that service is needed.

The low profile rugged anodized aluminum case is designed for enclosure mount, either on back plane or din rail. Front panel terminals for AC input, battery and load provide easy wiring access.

Specifications

Model	AC Input	Output Volts	Amps	Temp. Comp. Range (VDC)
EP 12-10	85-265	12	10	12.9 - 14.9
EP 24-5	85-265	24	5	25.8 - 29.8

Protection

Over voltage
Over current
Fuse protected input & battery
Low voltage disconnect
12 V: 11.9 VDC
24 V: 23.8 VDC

Mechanical

Case: Vinyl laminated aluminum
Fasteners: Stainless Steel
Mounting: Wall/Back Pane or DIN-Rail

Alarms/Indicators

AC input or P/S Output Fail Alarm: (Form C contacts)
Indicator LED's:
AC (Power available)
Load (Power available)
Alarm

Environmental

Operating Temperature: -20°C to +60°C (-4°F to +140°F)

Size/Weight

6.18" H x 9.75" W x 3.34" D / 3 lbs.

Features

- 12/24 VDC Power, 150 watts
- Designed specifically for back plane or din rail mount in NEMA enclosures
- Simultaneously powers load and maintains back up battery
- Rated for extreme temperature operation -20° to 60° C (-40° F to 140° F)
- Temperature compensated output, prolongs battery life
- Alarm contacts and low voltage disconnect built in



Typical pole mount application with Enclosure Power System, battery and transmitter.



Powering the Network