

Enclosure Power System

Power Transmitters and Maintain Back Up Batteries in Outdoor Enclosures.



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

- 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
- Monitor alarm contacts and low voltage disconnect built in

As the need for broadband transmitters, cameras, and monitoring in local and remote outdoor applications increases, so does the need for a power system designed for the particular application. Common power supplies are deficient in outdoor enclosure and SCADA applications: they suffer short life due to the temperature extremes, their fixed output voltage overcharges back-up batteries in high temperatures and under chargers in low ambient, and absent are essential remote alarms and low voltage disconnect.

The Enclosure Power System is designed specifically for these outdoor cabinet applications which typically include back up batteries. The environmentally hardened power circuitry provides 12 and 24 volts to the load and maintains the back-up batteries. A sense circuit adjusts charge voltage based on temperature ensuring batteries are properly charged.

An important additional feature is a low voltage disconnect circuit that removes the load from the batteries after an extended power outage, thus preventing total discharge of the battery and allowing the battery to be replenished quickly 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. The front panel terminal for AC input, battery and load make wiring easy. Status lights give quick visual indication of what's going on with the system.

Model	Output Volts	Amps	Size	Weight
EP 12-10	12	10	6.18" H x 9.75" W x 3.34" D	3 lbs.
EP 24-5	24	5	6.18" H x 9.75" W x 3.34" D	3 lbs.

See back for Specifications



Powering the Network

Enclosure Power System

Specifications

ELECTRICAL

INPUT

AC: 85-265 VAC, 47-66 Hz

PFC: .95

DC: 110-370 VDC

OUTPUT

Battery and Load voltage @ 25°C

EP 12-10: 13.5 vdc min., 13.8 VDC Typical, 13.9 VDC max.

EP 24-5: 27.0 vdc min., 27.6 VDC Typical, 27.8 VDC max.

Temperature Compensated Battery and

Load Voltage over 0-60°C-

EP 12-10: 12.9 to 14.9 VDC

EP 24-5: 25.8 to 29.8 VDC

Ripple: 100 mV p-p max.

ENVIRONMENTAL

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

Humidity: 10-95% Relative Humidity

MECHANICAL

Case: Anodized aluminum

Fasteners: Stainless steel

PROTECTION

Over voltage

Over current

Fuse protected input & battery

Low voltage disconnect

12 V: 11.9 VDC

24 V: 23.8 VDC

Immediate reconnection upon restoration of AC power

ALARMS/INDICATORS

AC input or P/S Output Fail Alarm: Form C contacts

Contact ratings: 1 A @ 30 VDC, .3 A @ 120 VAC

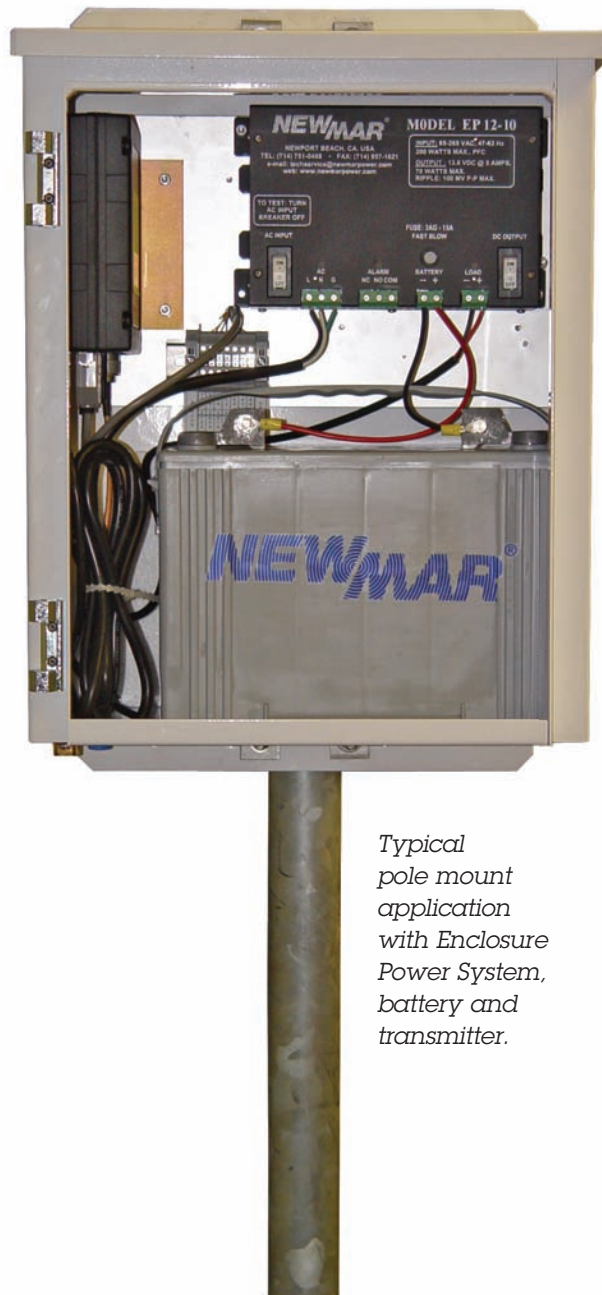
Indicator LED's:

AC (Power available)

Load (Power available)

Alarm

Note: Specifications subject to change.



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



Newport Beach, CA USA

Powering the Network

www.newmar telecom.com ■ 800-854-3906