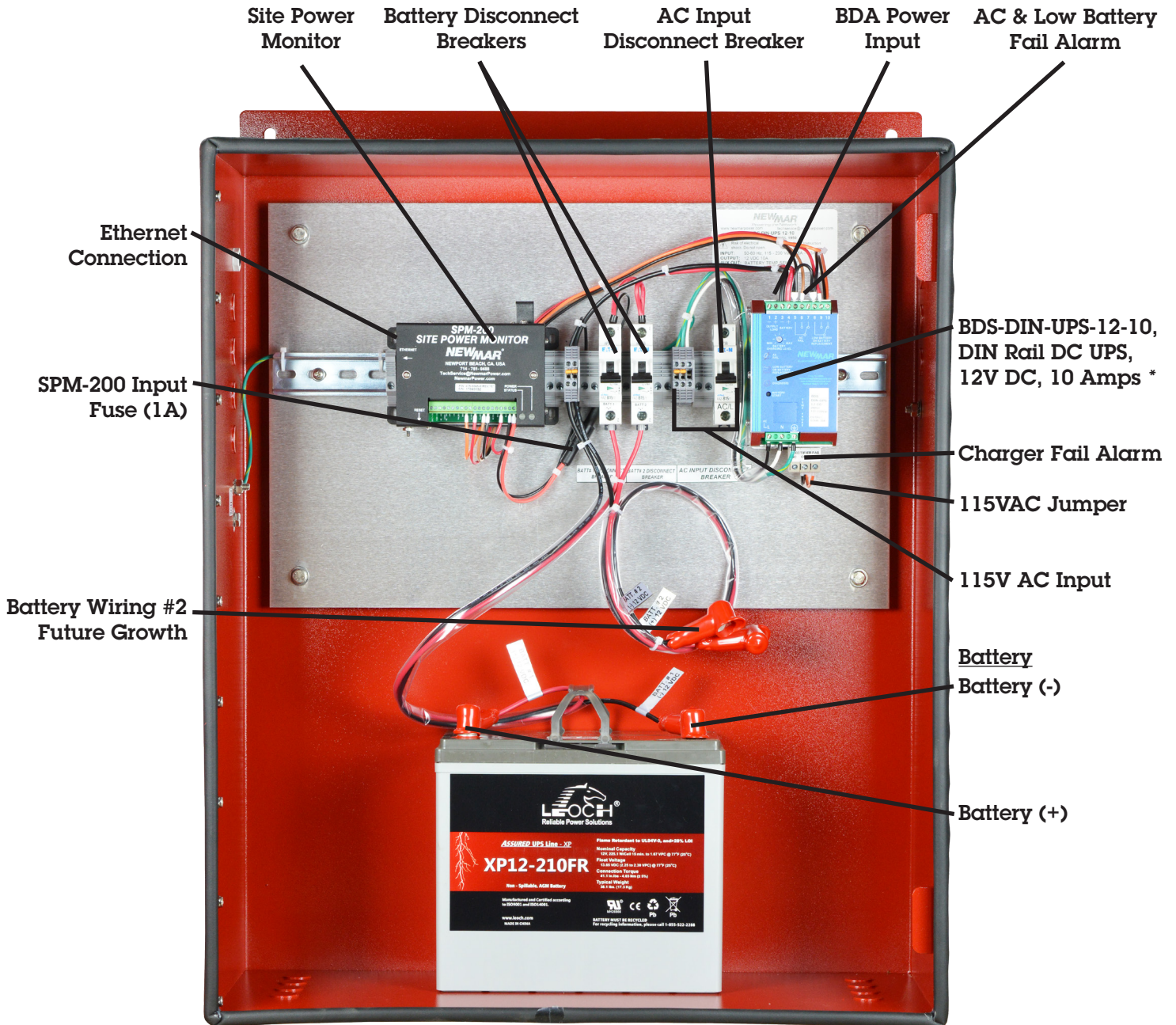


PE-12V-120W-55AH-SPM

Power Enclosure, 12 VDC, 120 Watts, 55 Amp-Hour Power System
with Remote Monitoring

Installation/Operation Manual

System Components



M-PE12V120W55AHSPM
As of 031317

NEWMAR
Powering the Network
www.newmartelecom.com

P.O. Box 1306
Newport Beach
California 92663

Phone: 714-751-0488
Fax: 714-957-1621
E-Mail: techservice@newmarpower.com

PE-12V-120W-55AH-SPM

**Power Enclosure, 12 VDC, 120 Watts,
55 Amp-Hour, SPM (200) Power System**

Instructions

Material Provided:

- (1) NEMA 4X Power Enclosure
- (1) AC power cord (BDS-DIN-UPS AC Input), NEMA 5-15P plug, 15 ft. length
- (3) NPT-1/2" Liquid tight cord grips, clamping range: 6-11 mm
- (1) M20 x 1.5 Liquid tight cord grip for RJ45 connector
- (2) Spare BDS-DIN-UPS programming jumpers
- (1) 12 VDC, 55 AH sealed valve regulated lead acid AGM non-spillable batteries with 6mm terminal hardware

Reference photo & wiring diagram provided.

1. Mount enclosure on wall (customer supplied hardware)
2. Ensure the AC & both battery disconnect circuit breakers are in OFF position
3. Qty. 4 liquid tight cord grips are provided with the PE enclosure. Four sets of four (16) 7/8" knock outs are provided on the bottom left, bottom right and upper left & right hand sides for cable feed thrus. Identify knock outs for your installation for the following cables and install cord grips:
 - A. AC Input (115 vac 15 ft. power cord provided)
 - B. DC Output to BDA, installer provided.
 - C. Alarm contacts (AC FAIL, BATT. LOW & RECTIFIER/CHARGER FAIL), installer provided.
 - D. Site Power Monitor or SPM-200 (optional) - use RJ45 cord grip for Ethernet cable.
4. Route 15 ft. AC power cord through cord grip, connect to AC input breaker (Hot) & terminal blocks (Neutral & Earth Ground) - do not connect to outlet yet.
5. Route BDA amplifier DC input cable thru cord grip, connect to BDS-DIN-UPS 12-10 OUTPUT terminals. (See wiring diagram).
6. Route Ethernet cable through RJ45 cord grip, connect to SPM-200 Ethernet jack (see wiring diagram)
7. Install batteries in to enclosure per photograph
8. Connect battery cables from Battery disconnect circuit breaker #1 and DC ground terminal blocks to the 12 volt battery per photograph/wiring diagram. Note: A second set of battery cables and Battery #2 circuit breaker provided for future addition of second paralleled 12 volt, 55 AH battery.
9. Connect the AC power cord to standard 115VAC outlet
10. Turn on AC disconnect circuit breaker and verify BDS-DIN-UPS 12-10 powers up. After one minute you should see the following:
 - A. AC FAIL LED: Off
 - B. BATTERY LOW/BATTERY REPLACEMENT LED: On (extinguishes when battery disconnect breaker is turned on, batteries connected)
 - C. DIAGNOSIS LED: 2 Blink/Pause
11. Confirm the BDA amplifier is receiving power
12. Confirm battery polarity is correct for each 12 volt battery: RED wire to Battery Positive (+) & BLACK wire to Battery Negative (-). Turn on battery disconnect circuit breaker #1, the diagnostic LED on the BDS unit should show one of the following:
 - A. 1 Blink/Second = Float Mode
 - B. 3 Blink/Second = Bulk charging mode (battery requires charge)
13. Verify battery voltage is approximately 13.8 VDC (Float mode)

M-PE12V120W55AHSPMINSTALL
As of 031317

P.O. Box 1306
Newport Beach
California 92663


Powering the Network
www.newmartelecom.com

Phone: 714-751-0488
Fax: 714-957-1621

E-Mail: techservice@newmarpower.com