



Altronix[®]

Maximal33FE Expandable Power System

Rev. DSMaximal33FE_05192015



Maximal33FE

Overview

Maximal33FE Expandable Power System provides system designers and installers with optimum power choices and the highest levels of versatility. It provides 12VDC, 24VDC, or 12VDC and 24VDC simultaneously via two (2) single output power supplychargers. System includes AC fail, low battery and battery presence monitoring. Enclosure facilitates up to four (4) 12VDC/12AH batteries. All interconnecting equipment must be UL Listed.



Specifications

Input:

- 120VAC 60Hz, 7.0 amp input.

Output:

- 12VDC and/or 24VDC outputs.
- Maximum output current:

Options	P/S 1	P/S 2
A)	12VDC @ 6 amp	12VDC @ 6 amp
B)	12VDC @ 6 amp	24VDC @ 6 amp
C)	24VDC @ 6 amp	24VDC @ 6 amp

- Non power-limited outputs.
- Aux. power-limited output rated @ 1 amp (unswitched).
- Overvoltage protection.

Fuse Ratings:

- Power Supply input fuse rated @ 5 amp/250V.

Fire Alarm Disconnect:

- Supervised Fire Alarm disconnect (latching or non-latching) 10K EOL resistor. Operates on a normally open (NO) or normally closed (NC) trigger.

Supervision:

- AC fail supervision (form "C" contacts).
 - Notification trigger is selectable for 30 seconds (factory set) or 2 hours.
- Battery fail & presence supervision (form "C" contacts).

Supervision (cont'd):

- Low power shutdown. Prevents deep battery discharge.

Battery Backup:

- Built-in charger for sealed lead acid or gel type batteries.
- Maximum charge current 1.54 amp.
- Automatic switch over to stand-by battery when AC fails.
- Battery fuses rated @ 10A/32V.

Visual Indicators:

- Green AC Power LED indicates 120VAC present.
- AC input and DC output LED indicators.

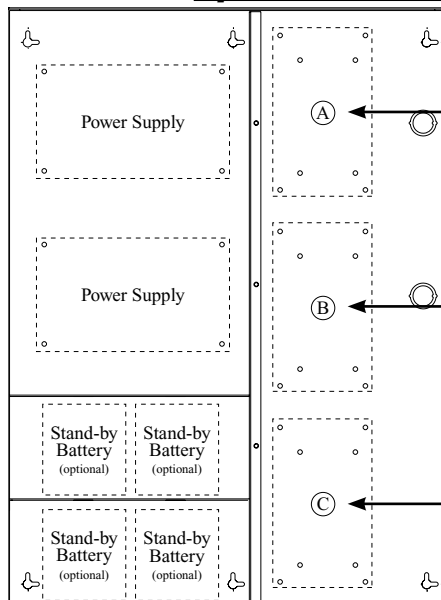
Electrical:

- Operating temperature: 0° C to 49° C ambient.
- BTU/Hr.:
 - 12VDC @ 6 amp & 12VDC @ 6 amp: 73.7 BTU/Hr.
 - 12VDC @ 6 amp & 24VDC @ 6 amp: 110.55 BTU/Hr.
 - 24VDC @ 6 amp & 24VDC @ 6 amp: 147.4 BTU/Hr.
- System AC input VA requirement: 840VA.

Mechanical:

- Enclosure Dimensions (H x W x D approx.): 26" x 19" x 6.25" (660.4mm x 482.6mm x 158.75mm)
- Enclosure accommodates up to four (4) 12AH batteries.
- Product weight (approx.): 32.0 lbs. (14.55 kg).
- Shipping weight (approx.): 39.15 lbs. (17.75 kg).

Optional Field Installable UL Listed Sub Assembly Modules



Location (A) - ACM4, ACM4CB, MOM5, PD4UL, PD4ULCB, PD8UL, PD8ULCB, PD16W & PD16WCB.

Location (B) - ACM4, ACM4CB, ACM8, ACM8CB, MOM5, PD4UL, PD4ULCB, PD8UL, PD8ULCB, PD16W & PD16WCB.

Location (C) - ACM4, ACM4CB, ACM8, ACM8CB, MOM5, PD4UL, PD4ULCB, PD8UL, PD8ULCB, PD16W & PD16WCB.

Agency Approvals



UL Listed for Access Control System Units
(UL 294).



CSFM
California State Fire Marshal Approved.



ULC-S319-05 - Electronic Access
Control Systems Class I equipment. CSA
C22.2 No.205 - Signal Equipment.

Enclosure Dimensions (H x W x D approximate): 26" x 19" x 6.25" (660.4mm x 482.6mm x 158.75mm)

