

AMPS-24E

Power Supply for the PTW-3300 and PTW-NCA

General

AMPS-24E is an addressable power supply and battery charger with up to three 24 VDC outputs. It operates in either FlashScan® or CLIP (Classic Loop Interface Protocol) mode with the PTW-3300 Fire Alarm Control Panel (FACP). It can also be used as the primary power supply for the NCA Network Control Annunciator.

Features

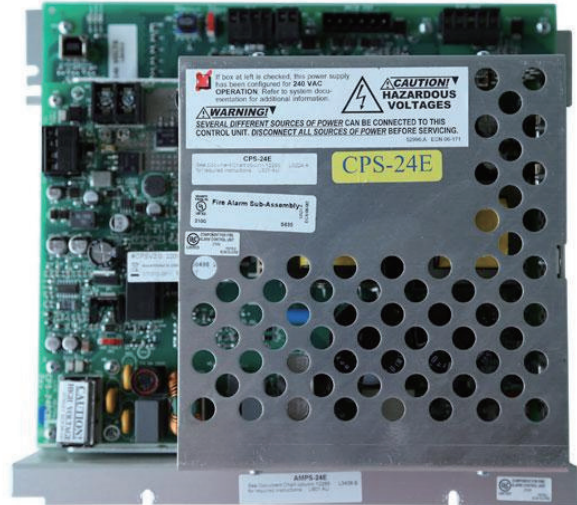
- Addressable by PTW-3300 FACP.
- Selectable charging current charges 7 AH to 200 AH batteries.
- Isolated Signaling Line Circuit (SLC) interface.
- Trouble bus input for use with normally-open dry contacts or open-collector circuit.
- USB Type B connector for programming installation parameters.
- Brown-out detection.
- Battery/battery charger supervision.
- Secondary Power Auxiliary Outputs: 24V @ 0.5A and 5V @ 0.15A.
- AC loss detection and AC loss delay reporting.
- Mounts in a CAB-4 Series enclosure.

Specifications

- Primary (AC) power :
 AMPS24: 110-120 VAC 50/60 Hz input, 5 A maximum;
 AMPS24E: 220-240 VAC 50/60 Hz input, 2.5 A maximum.
- MAIN 24V Output - filtered power-limited power. Refer to table for configuration/current information.

Charger Setting/ Battery Size	Main 24V (TB 1 on Main Control Unit) Max. Current	*Total AUX 24V (TB3 on Main Control Unit with TB2 on CPS- 24) Max. Current
1A/7-26AH Batteries	5A	3A
2A/12-60AH Batteries	5A	3A
5A/55-200AH Configuration 1	5A	0A
Configuration 2	3A	1A
Disabled	5A	0A

*Maximum current for all AUX 24 volt outputs. Note that TB2 on CPS-24 is limited to 0.5A.



- AUX 24V - provides filtered power-limited power for additional components. Refer to table above for configuration/current information.
- Secondary power (battery) charging circuit: Current-limited, sealed lead-acid battery charger which will charge 7 to 200AH batteries.
 Selectable charging current: 1.0 A, 2.0 A or 5.0 A.
- Secondary power auxiliary outputs.
- Wire sizes: 10 AWG (5.26 mm²) to 22 AWG (0.326 mm²).
- Battery fuse (F2): 15 A, fast-acting.
- Shipping Weight: 4.25 lb

Agency Listings and Approvals

These listings and approvals apply to the AMPS-24/E power supply. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process.

Consult factory for latest listing status.

- UL: S24647
- FM: Approved