

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

24 VDC | 10 AMPS



ENCLOSURE OPTIONS

Model	NEMA Rating	Material	Length	Width	Depth	Weight	Mounting
322-10E-CS4	4, 12, 13	Epoxy Coated Carbon Steel	10 in (25.40 cm)	8 in (20.32 cm)	6 in (15.24 cm)	24 lbs. (11 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-10E-S4X	4X	Stainless Steel	12 in (30.48 cm)	12 in (30.48 cm)	6 in (15.24 cm)	26 lbs. (12 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-10E-AL7	4, 4X, 7, 9	Cast Aluminum	16 in (40.64 cm)	16 in (40.64 cm)	9 in (22.86 cm)	86 lbs. (39 kg)	Mounting Feet Included Only; Custom Mounting Also Available

ELECTRICAL SPECIFICATIONS

OUTPUT:

24vdc Power at 240 Watts Continuous (10Amp)

ON BOARD FEATURE:

- Automatic Overload Detector
- Resettable Circuit Breaker

INPUT:

24vdc, +/-10% - normal

BATTERY:

24vdc, Sealed Lead Acid, 2 x 5Amp/Hour Batteries in Series

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AUTOMATIC INTERNAL TRANSFER SWITCH:

- Detects loss of 24vdc input power supply, and seamlessly switches to backup battery power supply.
- Detects regaining of 24vdc input power supply, and automatically transfers back to input DC power supply then begins charging the battery bank.

3-STAGE BATTERY CHARGER:

1. Pulse Charge during Bulk Mode
2. Once battery reaches full charge, Trickle Charge Mode maintains the batteries.
3. Internal protection from overcharging

RUN TIME EQUATION:

Equation: $((100 / \text{total watts}) \times 30) = \text{runtime in minutes}$

Example: $((100 / 240) \times 30) = 12 \text{ minutes continuous run time}$

240 watts is full capacity of Battery Backup; less wattage output means more runtime

INTERNAL ISOLATION RELAY: *Controlling Power to the Actuator and "Fail" Terminal*

Output Power Filter: EMI / RFI

External Power Fuse: 10Amp at 250Vac

PANEL INDICATOR LIGHTS FOR POWER STATUS

- Red:** Incoming 24vdc power is ON (no red light on NEMA 7)
Green: Output 24vdc power is good
Yellow: Unit is in BATTERY mode

MODEL NUMBER BREAKDOWN

Series	Amp Rating	Voltage	Enclosure Rating	Options
322	-10	E	- _ _ _ _	- _ _ _
	10: 10 Amps	E: 24vdc	CS4: NEMA 4, 12, 13 S4X: NEMA 4X AL7: NEMA 4, 4x, 7, 9	ES: Emergency Stop DS: Disconnect Switch K: Custom Mounting AS: Actuator ON/OFF Switch TL: End of Travel Light Indication