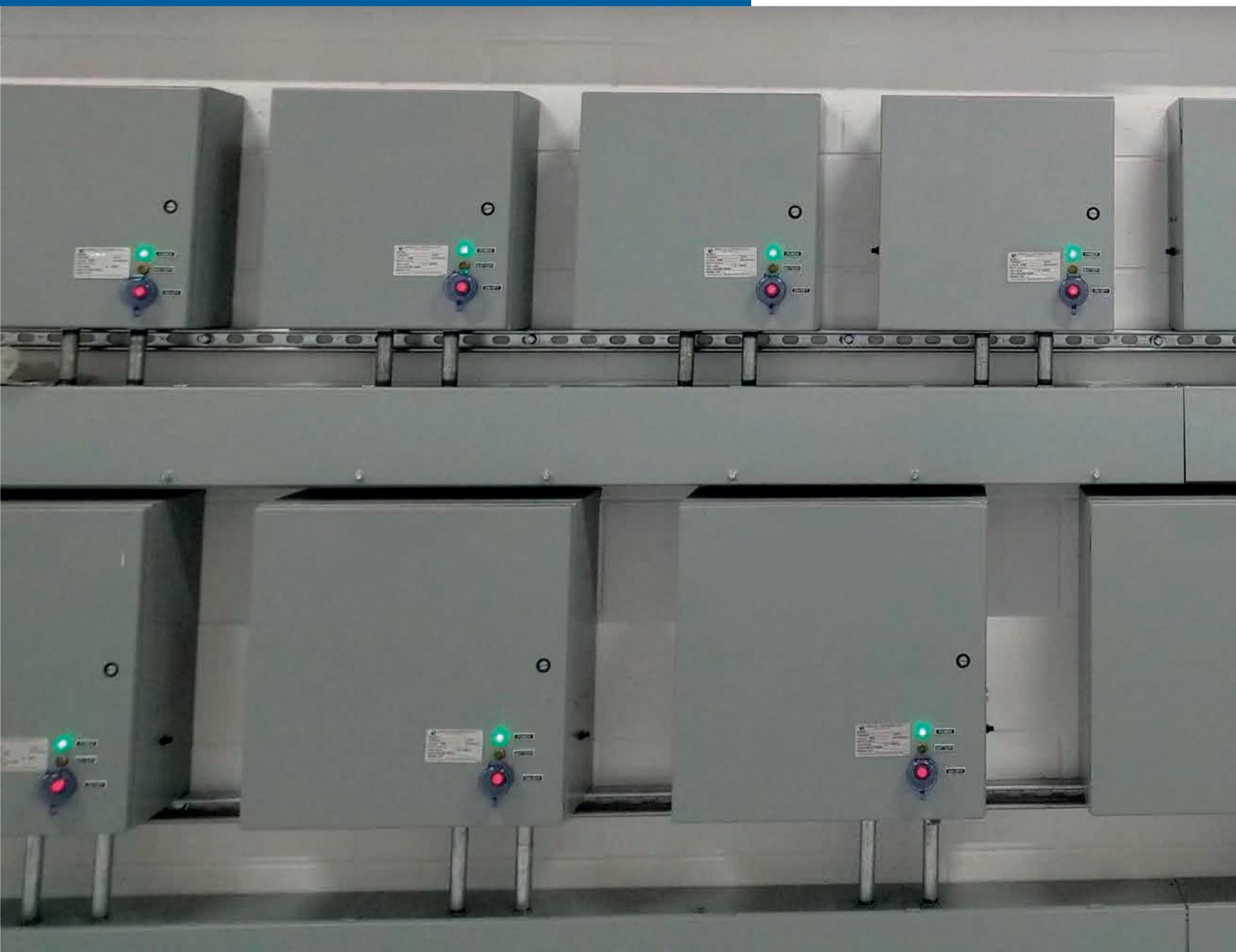


2021 CATALOG

Electric Fail-Safe Units

Rev.4-01/21

INDELAC
CONTROLS, INC.



322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

120 VAC | 3 AMPS



ENCLOSURE OPTIONS

Model	NEMA Rating	Material	Length	Width	Depth	Weight	Mounting
322-3B-CS4X	4, 4X, 12, 13	Epoxy Coated Carbon Steel	12 in (30.48 cm)	12 in (30.48 cm)	6 in (15.24 cm)	24 lbs. (11 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-3B-SS4X	4X	Stainless Steel	12 in (30.48 cm)	12 in (30.48 cm)	6 in (15.24 cm)	24 lbs. (11 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-3B-AL7	4, 4X, 7, 9	Cast Aluminum	16 in (40.64 cm)	16 in (40.64 cm)	9 in (22.86 cm)	88 lbs. (40 kg)	Mounting Feet Included Only; Custom Mounting Also Available

ELECTRICAL SPECIFICATIONS

OUTPUT:

120vac 60Hz Power at 375 Watts Continuous (3Amp)

ON BOARD FEATURE:

- Automatic Overload Detector
- Resettable AC Fuse

INPUT:

120vac, +/-10% - normal

BATTERY:

12vdc, Sealed Lead Acid, 7Amp/Hour

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

120 VAC | 3 AMPS

AUTOMATIC INTERNAL TRANSFER SWITCH:

- Detects loss of 120vac input power supply, and seamlessly switches to backup battery power supply.
- Detects regaining of 120vac input power supply, and automatically transfers back to input AC power supply then begins charging the battery.

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: $((70 / \text{total watts}) \times 30) = \text{runtime in minutes}$

Example: $((70 / 360) \times 30) = 5.8 \text{ minutes continuous run time}$

360 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: 3Amp at 250Vac

PANEL INDICATOR LIGHTS FOR POWER STATUS

- Red:** Incoming 120vac power is ON (no red light on NEMA 7)
Green: Output 120vac power is good
Yellow: Unit is in BATTERY mode

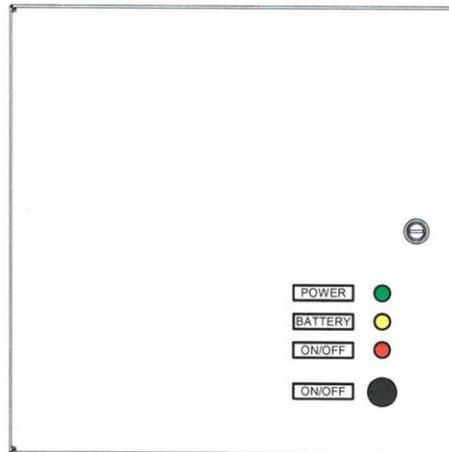
MODEL NUMBER BREAKDOWN

Series	Amp Rating	Voltage	Enclosure Rating	Options
322	-3	B	- _ _ _ _	- _ _ _
	3: 3 Amps	B: 115vac	CS4X: NEMA 4, 4X, 12, 13 SS4X: NEMA 4, 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

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

120 VAC | 5 AMPS



Shown with CS4 Enclosure Option

ENCLOSURE OPTIONS

Model	NEMA Rating	Material	Length	Width	Depth	Weight	Mounting
322-5B-CS4X	4, 4X, 12, 13	Epoxy Coated Carbon Steel	16 in (40.64 cm)	16 in (40.64 cm)	6 in (15.24 cm)	41 lbs. (18.5 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-5B-SS4X	4X	Stainless Steel	16 in (40.64 cm)	16 in (40.64 cm)	6 in (15.24 cm)	42 lbs. (19 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-5B-AL7	4, 4X, 7, 9	Cast Aluminum	23 in (58.42 cm)	23 in (58.42 cm)	10 in (25.40 cm)	171 lbs. (78 kg)	Mounting Feet Included Only; Custom Mounting Also Available

ELECTRICAL SPECIFICATIONS

OUTPUT:

120vac 60Hz Power at 600 Watts Continuous (5Amp)

PEAK POWER OUTPUT: *During Motor Start/Locked Rotor*

120vac 60Hz Power at 1200 Watts 1 Seconds (10Amp)

- On Board Automatic Overload Detector
- On Board Resettable AC Circuit Breaker

INPUT:

120vac, +/-10% - normal

BATTERY:

12vdc, Sealed Lead Acid, 18Amp/Hour

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

120 VAC | 5 AMPS

AUTOMATIC INTERNAL TRANSFER SWITCH:

- Detects loss of 120vac input power supply, and seamlessly switches to backup battery power supply.
- Detects regaining of 120vac input power supply, and automatically transfers back to input AC power supply then begins charging the battery.

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: $((180 / \text{total watts}) \times 30) = \text{runtime in minutes}$

Example: $((180 / 600) \times 30) = \mathbf{9 \text{ minutes continuous run time}}$

600 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: 5Amp at 250Vac

PANEL INDICATOR LIGHTS FOR POWER STATUS

- Red:** Incoming 120vac power is ON (no red light on NEMA 7)
Green: Output 120vac power is good
Yellow: Unit is in BATTERY mode

MODEL NUMBER BREAKDOWN

Series	Amp Rating	Voltage	Enclosure Rating	Options
322	-5	B	- _ _ _ _	- _ _ _
	5: 5 Amps	B: 115vac	CS4X: NEMA 4, 4X, 12, 13 SS4X: NEMA 4, 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

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

120 VAC | 7 AMPS



Shown with CS4 Enclosure Option

ENCLOSURE OPTIONS

Model	NEMA Rating	Material	Length	Width	Depth	Weight	Mounting
322-7B-CS4X	4, 4X, 12, 13	Epoxy Coated Carbon Steel	16 in (40.64 cm)	20 in (50.80 cm)	8 in (20.32 cm)	72 lbs. (32.5 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-7B-SS4X	4X	Stainless Steel	16 in (40.64 cm)	20 in (50.80 cm)	8 in (20.32 cm)	73 lbs. (33 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-7B-AL7	4, 4X, 7, 9	Cast Aluminum	29 in (73.66 cm)	29 in (73.66 cm)	12 in (30.48 cm)	352 lbs. (160 kg)	Mounting Feet Included Only; Custom Mounting Also Available

ELECTRICAL SPECIFICATIONS

OUTPUT:

120vac 60Hz Power at 840 Watts Continuous (7Amp)

PEAK POWER OUTPUT: *During Motor Start/Locked Rotor*

120vac 60Hz Power at 1680 Watts 10 Seconds (14Amp)

- On Board Automatic Overload Detector
- On Board Resettable AC Circuit Breaker

INPUT:

120vac, +/-10% - normal

BATTERY:

12vdc, Sealed Lead Acid, 26Amp/Hour

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

120 VAC | 7 AMPS

AUTOMATIC INTERNAL TRANSFER SWITCH:

- Detects loss of 120vac input power supply, and seamlessly switches to backup battery power supply.
- Detects regaining of 120vac input power supply, and automatically transfers back to input AC power supply then begins charging the battery.

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: $((260 / \text{total watts}) \times 30) = \text{runtime in minutes}$

Example: $((260 / 840) \times 30) = \mathbf{9 \text{ minutes continuous run time}}$

840 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: 7Amp at 250Vac

PANEL INDICATOR LIGHTS FOR POWER STATUS

- Red:** Incoming 120vac power is ON (no red light on NEMA 7)
Green: Output 120vac power is good
Yellow: Unit is in BATTERY mode

MODEL NUMBER BREAKDOWN

Series	Amp Rating	Voltage	Enclosure Rating	Options
322	-7	B	- _ _ _ _	- _ _ _
	7: 7 Amps	B: 115vac	CS4X: NEMA 4, 4X, 12, 13 SS4X: NEMA 4, 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

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

120 VAC | 10 AMPS



ENCLOSURE OPTIONS

Model	NEMA Rating	Material	Length	Width	Depth	Weight	Mounting
322-10B-CS4X	4, 4X, 12, 13	Epoxy Coated Carbon Steel	20 in (50.80 cm)	20 in (50.80 cm)	8 in (20.32 cm)	105 lbs. (47.5 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-10B-SS4X	4X	Stainless Steel	20 in (50.80 cm)	20 in (50.80 cm)	8 in (20.32 cm)	106 lbs. (48 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-10B-AL7	4, 4X, 7, 9	Cast Aluminum	29 in (73.66 cm)	29 in (73.66 cm)	12 in (30.48 cm)	382 lbs. (173 kg)	Mounting Feet Included Only; Custom Mounting Also Available

ELECTRICAL SPECIFICATIONS

OUTPUT:

120vac 60Hz Power at 1200 Watts Continuous (10Amp)

PEAK POWER OUTPUT: *During Motor Start/Locked Rotor*

120vac 60Hz Power at 2400 Watts 10 Seconds (20Amp)

- On Board Automatic Overload Detector
- On Board Resettable AC Circuit Breaker

INPUT:

120vac, +/-10% - normal

BATTERY:

12vdc, Sealed Lead Acid, 40Amp/Hour

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

120 VAC | 10 AMPS

AUTOMATIC INTERNAL TRANSFER SWITCH:

- Detects loss of 120vac input power supply, and seamlessly switches to backup battery power supply.
- Detects regaining of 120vac input power supply, and automatically transfers back to input AC power supply then begins charging the battery.

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: $((400 / \text{total watts}) \times 30) = \text{runtime in minutes}$

Example: $((400 / 1200) \times 30) = \mathbf{10 \text{ minutes continuous run time}}$

1200 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 120vac power is ON (no red light on NEMA 7)
Green: Output 120vac power is good
Yellow: Unit is in BATTERY mode

MODEL NUMBER BREAKDOWN

Series	Amp Rating	Voltage	Enclosure Rating	Options
322	-10	B	- _ _ _ _	- _ _ _
	10: 10 Amps	B: 115vac	CS4X: NEMA 4, 4X, 12, 13 SS4X: NEMA 4, 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

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

120 VAC | 15 AMPS



ENCLOSURE OPTIONS

Model	NEMA Rating	Material	Length	Width	Depth	Weight	Mounting
322-15B-CS4X	4, 4X, 12, 13	Epoxy Coated Carbon Steel	24 in (60.96 cm)	24 in (60.96 cm)	12 in (30.48 cm)	161 lbs. (73 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-15B-SS4X	4, 4X	Stainless Steel	24 in (60.96 cm)	24 in (60.96 cm)	12 in (30.48 cm)	172 lbs. (78 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-15B-AL7	4, 4X, 7, 9	Cast Aluminum	29.5 in (74.93 cm)	29.5 in (74.93 cm)	14 in (35.56 cm)	443 lbs. (201 kg)	Mounting Feet Included Only; Custom Mounting Also Available

ELECTRICAL SPECIFICATIONS

OUTPUT:

120vac 60Hz Power at 1800 Watts Continuous (15Amp)

PEAK POWER OUTPUT: *During Motor Start/Locked Rotor*

120vac 60Hz Power at 3600 Watts 10 Seconds (30Amp)

- On Board Automatic Overload Detector
- On Board Resettable AC Circuit Breaker

INPUT:

120vac, +/-10% - normal

BATTERY:

12vdc, Sealed Lead Acid, 100Amp/Hour

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

120 VAC | 15 AMPS

AUTOMATIC INTERNAL TRANSFER SWITCH:

- Detects loss of 120vac input power supply, and seamlessly switches to backup battery power supply.
- Detects regaining of 120vac input power supply, and automatically transfers back to input AC power supply then begins charging the battery.

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: $((1000 / \text{total watts}) \times 30) = \text{runtime in minutes}$

Example: $((1000 / 1800) \times 30) = \mathbf{16 \text{ minutes continuous run time}}$

1800 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: 15Amp at 250Vac

PANEL INDICATOR LIGHTS FOR POWER STATUS

- Red:** Incoming 120vac power is ON
- Green:** Output 120vac power is good
- Yellow:** Unit is in BATTERY mode

MODEL NUMBER BREAKDOWN

Series	Amp Rating	Voltage	Enclosure Rating	Options
322	-15	B	- _ _ _ _	- _ _ _
	15: 15 Amps	B: 115vac	CS4X: NEMA 4, 4X, 12, 13 SS4X: NEMA 4, 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

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

120 VAC | 30 AMPS



ENCLOSURE OPTIONS

Model	NEMA Rating	Material	Length	Width	Depth	Weight	Mounting
322-30B-CS4X	4, 4X, 12, 13	Epoxy Coated Carbon Steel	36 in (91.44cm)	30 in (76.2cm)	12 in (30.48cm)	283 lbs. (128.37 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-30B-SS4X	4, 4X	Stainless Steel	36 in (91.44cm)	30 in (76.2cm)	12 in (30.48cm)	287 lbs. (130.18 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-30B-AL7	4, 4X, 7, 9	Cast Aluminum	44 in (111.76cm)	44 in (111.76cm)	23 in (58.42cm)	1094 lbs. (496.23 kg)	Mounting Feet Included Only; Custom Mounting Also Available

ELECTRICAL SPECIFICATIONS

OUTPUT:

120vac 60Hz Power at 3600 Watts Continuous (30Amp)

PEAK POWER OUTPUT: *During Motor Start/Locked Rotor*

120vac 60Hz Power at 7200 Watts 10 Seconds (60Amp)

- On Board Automatic Overload Detector
- On Board Resettable AC Circuit Breaker

INPUT:

120vac, +/-10% - normal

BATTERY:

36vdc, Sealed Lead Acid, 3 x 55Amp/Hour Batteries in Series

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

120 VAC | 30 AMPS

AUTOMATIC INTERNAL TRANSFER SWITCH:

- Detects loss of 120vac input power supply, and seamlessly switches to backup battery power supply.
- Detects regaining of 120vac input power supply, and automatically transfers back to input AC 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: $((1650 / \text{total watts}) \times 30) = \text{runtime in minutes}$

Example: $((1650 / 3600) \times 30) = \mathbf{13 \text{ minutes continuous run time}}$

3600 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: 30Amp at 250Vac

PANEL INDICATOR LIGHTS FOR POWER STATUS

- Red:** Incoming 120vac power is ON
Green: Output 120vac power is good
Yellow: Unit is in BATTERY mode

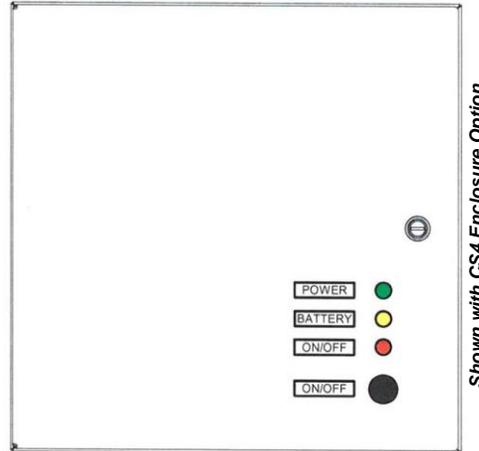
MODEL NUMBER BREAKDOWN

Series	Amp Rating	Voltage	Enclosure Rating	Options
322	-30	B	- _ _ _ _	- _ _ _
	30: 30 Amps	B: 115vac	CS4X: NEMA 4,4X, 12, 13 SS4X: NEMA 4, 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

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

230 VAC | 3 AMPS



ENCLOSURE OPTIONS

Model	NEMA Rating	Material	Length	Width	Depth	Weight	Mounting
322-3C-CS4	4, 12	Polyester Powder Coated Carbon Steel	16 in (40.64 cm)	20 in (50.8 cm)	8 in (20.32 cm)	51.6 lbs. (23.41 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-3C-SS4X	4X	Stainless Steel	16 in (40.64 cm)	20 in (50.8 cm)	8 in (20.32 cm)	54.2 lbs. (24.6 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-3C-AL7	4, 4X, 7, 9	Cast Aluminum	24 in (60.96 cm)	24 in (60.96 cm)	8 in (20.32 cm)	334 lbs. (151.5 kg)	Mounting Feet Included Only; Custom Mounting Also Available

ELECTRICAL SPECIFICATIONS

OUTPUT:

- 230vac 50Hz Power at 690 Watts Continuous (3Amp)
- 230vac 50Hz Power at 1380 Watts for 10 sec (Peak Power Load)

ON BOARD FEATURE:

- Automatic Overload Detector
- Replaceable AC Fuse

INPUT:

230vac, +/-10% - normal

BATTERY:

12vdc, Sealed Lead Acid, 26Amp/Hour

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

230 VAC | 3 AMPS

AUTOMATIC INTERNAL TRANSFER SWITCH:

- Detects loss of 230vac input power supply, and seamlessly switches to backup battery power supply.
- Detects regaining of 230vac input power supply, and automatically transfers back to input AC power supply then begins charging the battery.

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: $((260 / \text{total watts}) \times 30) = \text{runtime in minutes}$

Example: $((260 / 690) \times 30) = 11.3 \text{ minutes continuous run time}$

690 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: 3Amp at 250Vac

PANEL INDICATOR LIGHTS FOR POWER STATUS

- Red:** Incoming 230vac power is ON (no red light on NEMA 7)
Green: Output 230vac power is good
Yellow: Unit is in BATTERY mode

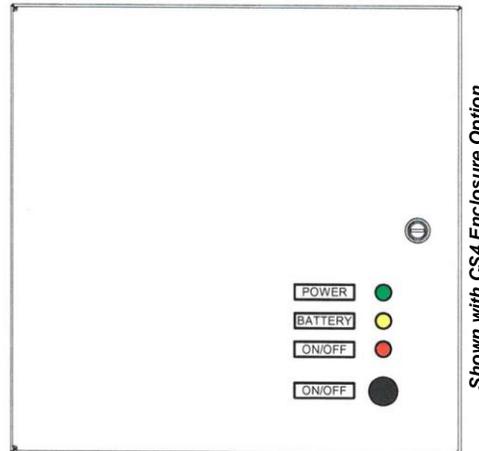
MODEL NUMBER BREAKDOWN

Series	Amp Rating	Voltage	Enclosure Rating	Options
322	-3	C	- _ _ _ _	- _ _ _
	3: 3 Amps	C: 230vac	CS4: NEMA 4, 12 SS4X: NEMA 4, 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

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

230 VAC | 5 AMPS



ENCLOSURE OPTIONS

Model	NEMA Rating	Material	Length	Width	Depth	Weight	Mounting
322-5C-CS4	4, 12	Polyester Powder Coated Carbon Steel	16 in (40.64 cm)	20 in (50.8 cm)	8 in (20.32 cm)	51.6 lbs. (23.41 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-5C-SS4X	4X	Stainless Steel	16 in (40.64 cm)	20 in (50.8 cm)	8 in (20.32 cm)	54.2 lbs. (24.6 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-5C-AL7	4, 4X, 7, 9	Cast Aluminum	24 in (60.96 cm)	24 in (60.96 cm)	8 in (20.32 cm)	382 lbs. (173.3 kg)	Mounting Feet Included Only; Custom Mounting Also Available

ELECTRICAL SPECIFICATIONS

OUTPUT:

- 230vac 50Hz Power at 1150 Watts Continuous (5Amp)
- 230vac 50Hz Power at 2300 Watts for 10 sec (Peak Power Load)

ON BOARD FEATURE:

- Automatic Overload Detector
- Replaceable AC Fuse

INPUT:

230vac, +/-10% - normal

BATTERY:

12vdc, Sealed Lead Acid, 40Amp/Hour

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

230 VAC | 5 AMPS

AUTOMATIC INTERNAL TRANSFER SWITCH:

- Detects loss of 230vac input power supply, and seamlessly switches to backup battery power supply.
- Detects regaining of 230vac input power supply, and automatically transfers back to input AC power supply then begins charging the battery.

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: $((400 / \text{total watts}) \times 30) = \text{runtime in minutes}$

Example: $((400 / 1150) \times 30) = 10.4 \text{ minutes continuous run time}$

1150 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: 5Amp at 250Vac

PANEL INDICATOR LIGHTS FOR POWER STATUS

- Red:** Incoming 230vac power is ON (no red light on NEMA 7)
Green: Output 230vac power is good
Yellow: Unit is in BATTERY mode

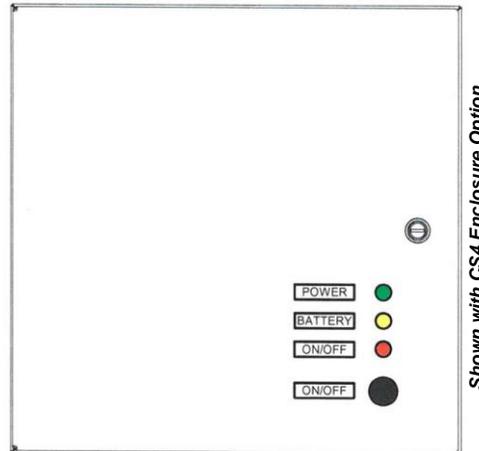
MODEL NUMBER BREAKDOWN

Series	Amp Rating	Voltage	Enclosure Rating	Options
322	-5	C	- _ _ _ _	- _ _ _
	5: 5 Amps	C: 230vac	CS4: NEMA 4, 12 SS4X: NEMA 4, 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

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

230 VAC | 7 AMPS



Shown with CS4 Enclosure Option

ENCLOSURE OPTIONS

Model	NEMA Rating	Material	Length	Width	Depth	Weight	Mounting
322-7C-CS4	4, 12	Polyester Powder Coated Carbon Steel	24 in (60.96 cm)	20 in (50.8 cm)	12 in (30.48 cm)	161 lbs. (73.03 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-7C-SS4X	4X	Stainless Steel	24 in (60.96 cm)	20 in (50.8 cm)	12 in (30.48 cm)	172 lbs. (78.02 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-7C-AL7	4, 4X, 7, 9	Cast Aluminum	24 in (60.96 cm)	24 in (60.96 cm)	10 in (25.4 cm)	443 lbs. (200.9 kg)	Mounting Feet Included Only; Custom Mounting Also Available

ELECTRICAL SPECIFICATIONS

OUTPUT:

- 230vac 50Hz Power at 1610 Watts Continuous (7Amp)
- 230vac 50Hz Power at 3220 Watts for 10 sec (Peak Power Load)

ON BOARD FEATURE:

- Automatic Overload Detector
- Replaceable AC Fuse

INPUT:

230vac, +/-10% - normal

BATTERY:

12vdc, Sealed Lead Acid, 55Amp/Hour

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

230 VAC | 7 AMPS

AUTOMATIC INTERNAL TRANSFER SWITCH:

- Detects loss of 230vac input power supply, and seamlessly switches to backup battery power supply.
- Detects regaining of 230vac input power supply, and automatically transfers back to input AC power supply then begins charging the battery.

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: $((550 / \text{total watts}) \times 30) = \text{runtime in minutes}$

Example: $((550 / 1610) \times 30) = 10.2 \text{ minutes continuous run time}$

1610 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: 7Amp at 250Vac

PANEL INDICATOR LIGHTS FOR POWER STATUS

- Red:** Incoming 230vac power is ON (no red light on NEMA 7)
Green: Output 230vac power is good
Yellow: Unit is in BATTERY mode

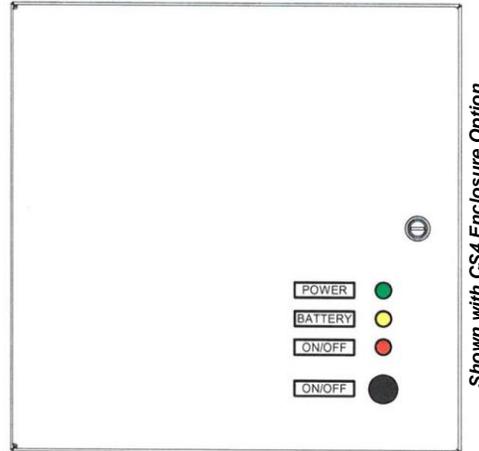
MODEL NUMBER BREAKDOWN

Series	Amp Rating	Voltage	Enclosure Rating	Options
322	-7	C	- _ _ _ _	- _ _ _
	7: 7 Amps	C: 230vac	CS4: NEMA 4, 12 SS4X: NEMA 4, 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

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

230 VAC | 10 AMPS



ENCLOSURE OPTIONS

Model	NEMA Rating	Material	Length	Width	Depth	Weight	Mounting
322-10C-CS4	4, 12	Polyester Powder Coated Carbon Steel	24 in (60.96 cm)	24 in (60.96 cm)	12 in (30.48 cm)	193 lbs. (87.54 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-10C-SS4X	4X	Stainless Steel	24 in (60.96 cm)	24 in (60.96 cm)	12 in (30.48 cm)	194 lbs. (88 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-10C-AL7	4, 4X, 7, 9	Cast Aluminum	24 in (60.96 cm)	24 in (60.96 cm)	10 in (25.4 cm)	475 lbs. (215.5 kg)	Mounting Feet Included Only; Custom Mounting Also Available

ELECTRICAL SPECIFICATIONS

OUTPUT:

- 230vac 50Hz Power at 2300 Watts Continuous (10Amp)
- 230vac 50Hz Power at 4600 Watts for 10 sec (Peak Power Load)

ON BOARD FEATURE:

- Automatic Overload Detector
- Replaceable AC Fuse

INPUT:

230vac, +/-10% - normal

BATTERY:

2 x 12vdc, Sealed Lead Acid, 55Amp/Hour

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

230 VAC | 10 AMPS

AUTOMATIC INTERNAL TRANSFER SWITCH:

- Detects loss of 230vac input power supply, and seamlessly switches to backup battery power supply.
- Detects regaining of 230vac input power supply, and automatically transfers back to input AC power supply then begins charging the battery.

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: $((1100 / \text{total watts}) \times 30) = \text{runtime in minutes}$

Example: $((1100 / 2300) \times 30) = 14.3 \text{ minutes continuous run time}$

2300 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 230vac power is ON (no red light on NEMA 7)
- Green:** Output 230vac power is good
- Yellow:** Unit is in BATTERY mode

MODEL NUMBER BREAKDOWN

Series	Amp Rating	Voltage	Enclosure Rating	Options
322	-10	C	- _ _ _ _	- _ _ _
	10: 10 Amps	C: 230vac	CS4: NEMA 4, 12 SS4X: NEMA 4, 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

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-CS4X	4, 4X, 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-SS4X	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

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

24 VDC | 10 AMPS

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	CS4X: NEMA 4, 4X, 12, 13 SS4X: NEMA 4, 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

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

24 VDC | 30 AMPS



ENCLOSURE OPTIONS

Model	NEMA Rating	Material	Length	Width	Depth	Weight	Mounting
322-30E-CS4X	4, 4X, 12, 13	Epoxy Coated Carbon Steel	20 in (50.80 cm)	20 in (50.80 cm)	8 in (20.32 cm)	63 lbs. (29 kg)	Wall Mount and Hardware Included; Custom Mounting Also Available
322-30E-AL7	4, 4X, 7, 9	Cast Aluminum	24 in (60.96 cm)	24 in (60.96 cm)	8 in (20.32 cm)	335 lbs. (152 kg)	Mounting Feet Included Only; Custom Mounting Also Available

ELECTRICAL SPECIFICATIONS

OUTPUT:

24vdc Power at 720 Watts Continuous (30Amp)

ON BOARD FEATURE:

- Automatic Overload Detector
- Resettable Circuit Breaker

INPUT:

24-28vdc - normal

BATTERY:

24vdc, Sealed Lead Acid, 2 x 26Amp/Hour Batteries in Series

322 SERIES

INDUSTRIAL BATTERY BACKUP FAIL-SAFE SYSTEM

24 VDC | 30 AMPS

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: $((450 / \text{total watts}) \times 60) = \text{runtime in minutes}$

Example: $((450 / 720) \times 60) = 37.5 \text{ minutes continuous run time}$

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

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

External Power Fuse: 30Amp at 250Vac

PANEL INDICATOR LIGHTS FOR POWER STATUS

Green: Input 24vdc power is good

Yellow: Unit is in BATTERY mode

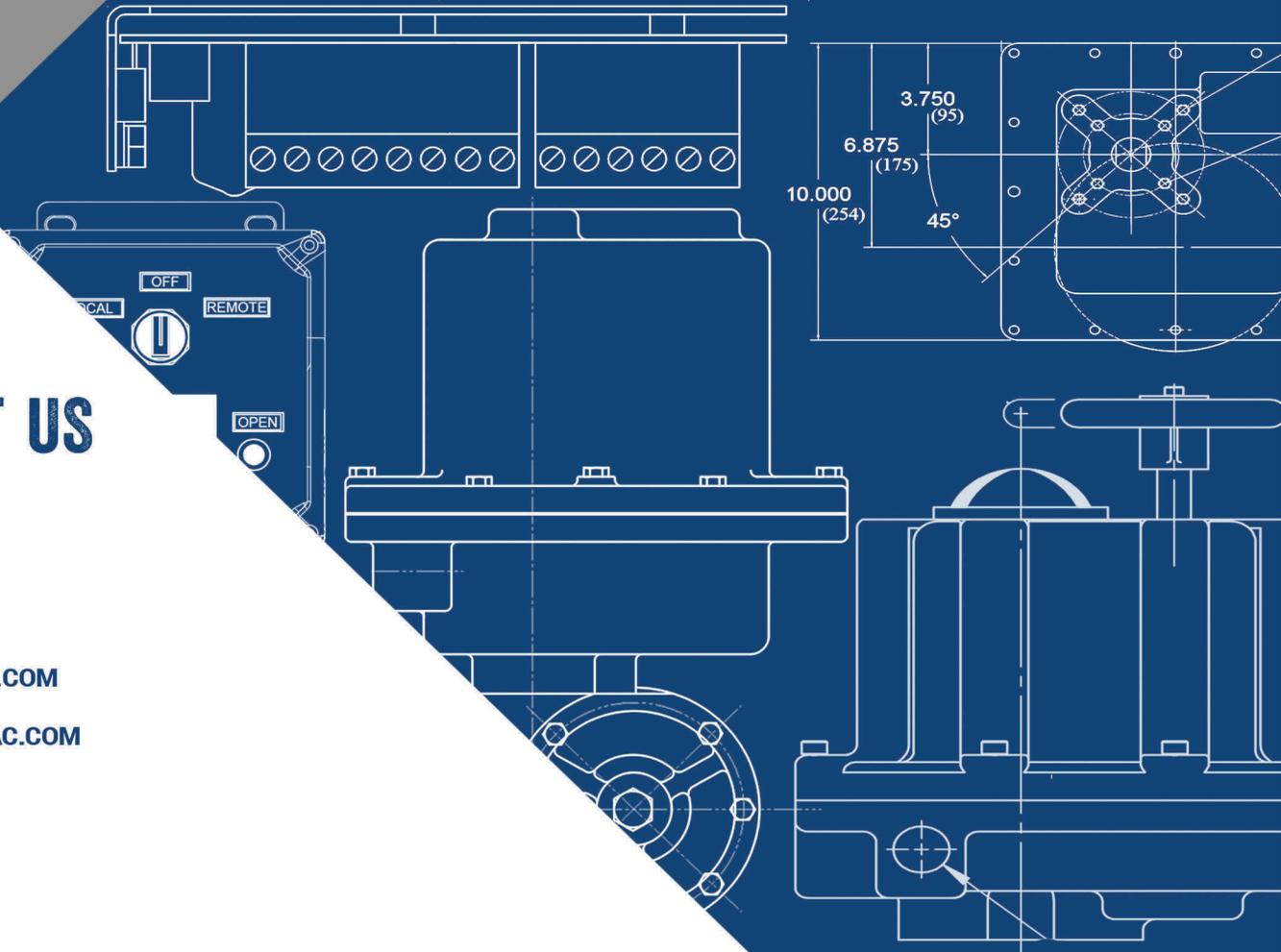
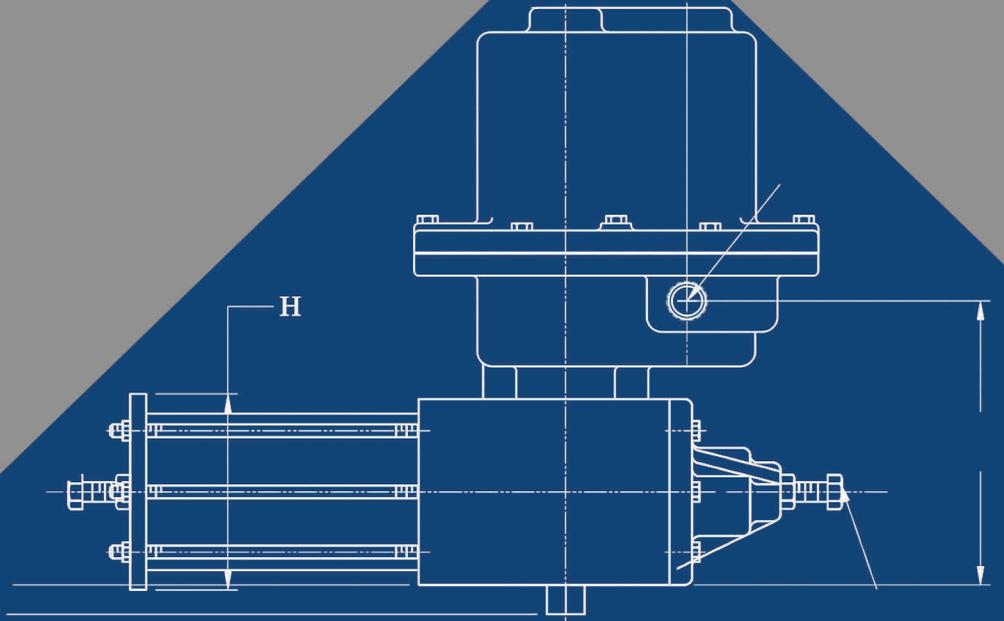
MODEL NUMBER BREAKDOWN

Series	Amp Rating	Voltage	Enclosure Rating	Options
322	-30	E	- _ _ _ _	- _ _ _
	30: 30 Amps	E: 24vdc	CS4X: NEMA 4, 4X, 12, 13 SS4X: NEMA 4, 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

(NO OPTIONS ON NEMA 7)

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