FEATURES

INTENDED USE

Specification grade emergency ballast to operate one or two lamps (4' or shorter) or one 8' lamp. Factory or field installed inside or outside (field only) fluorescent fixture to operate lamp(s) at reduced light output, providing optimum glare-free illumination for a minimum of 90 minutes upon interruption of normal power.

CONSTRUCTION

Engineering-grade white polycarbonate housing resists impact, scratches and corrosion. UL94V-0 flame rating.

Space-saving housing provides extra room for wire routing in ballast channel. Polarized quick-connect pilot light/test switch assembly simplifies installation.

Dual-voltage input capability (120V or 277V).

Patent pending integrated test switch pilot light that requires only one-hole drilling.

PERFORMANCE

Operates one or two 2' – 4' fluorescent T8 – T12 lamps, one 2' – 4' fluorescent, HO, VHO, long compact (biax) lamp or one 6' – 8' fluorescent T8 – T12 lamp for 90 minutes. Compatible with electronic, rapid start, instant start, slimline, preheat or trigger start ballasts in standard or energy-saving configurations.

Unit wires two ways: on night light circuit (permanently energized) or on switchable circuit (unswitched circuit to battery charger and switched circuit to the fixture ballast). Unit will strike normally off lamp.

BATTERY

Sealed, maintenance-free, high-temperature nickel-cadmium battery. Ensures long life over wide temperature ranges. Automatic battery recharge after 90-minute discharge.

Pilot light and test switch provide visual and manual means of monitoring system operation.

ELECTRONIC

Constant current-type charger. Capacitive input circuit provides high efficiency and reliable operation.

High-efficiency push-pull inverter is the most effective method of converting DC power to AC power. It provides maximum light output, battery life and reliability.

INSTALLATION

Mounts concealed within fixture wireway for clean appearance and protection against vandalism. Two ½" holes in fixture channel permit mounting of test switch/pilot light behind fixture lens.

Fluorescent Battery Packs

PS600 DW

Compact size (9-1/2" L x 2-1/2" W x 1-1/2" H) allows installation in a variety of fluorescent troffers, industrials, commercials and strips.

Unit mounting centers are identical to a standard ballast.

LISTING

UL listed. Damp location listed. Meets UL 924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards.

Standard unit is UL approved for installation in sealed and gasketed fixtures. DW option is UL approved for installation in wet and damp location listed fixtures. (Note: DW option does not make the battery pack suitable for mounting outside the fixture in a wet location application.)

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: PS600 DW SD

PS600

Designation	Options
PS600 Battery pack	DW UL approved for use in wet and damp location listed fixtures 0-50°C (32-122°F)
	SD Self-diagnostics[1]

NOTE:

1 Self-diagnostics (PSSD) module ships with fluorescent battery pack. See PSSD Inverter Accessory spec sheet for details on self-diagnostics module.

Accessories*

Order as separate items.

ELA TSPLP	Remote or replacement test switch pilot light; Mounts up to 25' away from fixture
ELA TSPLPSD	Remote or replacement test switch pilot light for self-diagnostics; Mounts up to 25' away from fixture
ELA PSRME	Remote mounting enclosure
ELA PSMKSD	External mounting kit for self-diagnostics module
PSSD	Field-installable self-diagnostic module

***** See Inverter Accessories specification sheets for details on other compatible devices.

PS600 DW Fluorescent Battery Packs

SPECIFICATIONS

BATTERY

Sealed Nickel-Cadmium

Voltage	Shelf life[1]	Expected life[1]	Maintenance	Optimum temperature[2]
10.8	3 years	7–9 years	none[3]	32–100°F

Notes:

1 At 77°F.

2 Optimum ambient temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity. Consult factory for detailed information. Damp location models are UL listed 0-50°C (32-122°F).

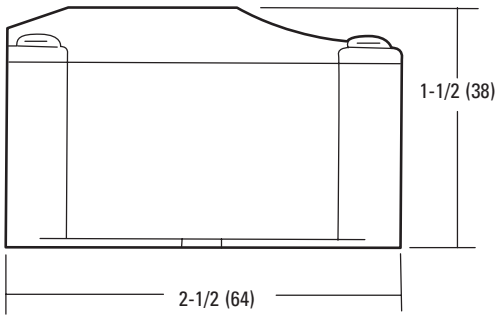
3 Periodic system status test recommended.

ELECTRICAL

	Maximum AC input	
Volts	Amps	Watts
120	.27	2.2
277	.26	2.2

MOUNTING

All dimensions are inches (millimeters).



Cross section end view
Length: 9-1/2 (241)
Shipping weight: 1.8 lbs. (0. 8 kgs.)

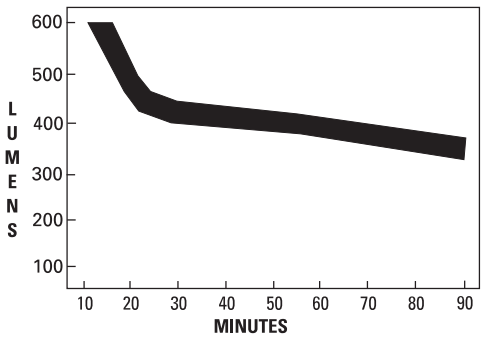
LAMP COMPATIBILITY

Lamp Type	Wattage	Emergency Operation
24 – 48" T5	14 – 28	■
U-Lamp T8	16 – 31	■ ●
24" – 48" T8	17 – 32	■ ●
60" – 96" T8	40 – 59	■
Circline T9	20 – 40	■
U-Lamp T12	34 – 40	■ ●
24" – 48" T12	20 – 40	■ ●
60" – 96" T12	50 – 75	■
24" – 48" HO T12	35 – 60	■
60" – 96" HO T12	70 – 110	■
24" – 48" VHO T12	74 – 115	■
60" – 96" VHO T12	135 – 215	■
24" – 48" T5HO	24 – 54	■
Long Compact (4-pin)	18 – 50	■

■ One-lamp emergency operation for 1 – 4 lamp ballasts.
● Two-lamp emergency operation for 2 – 4 lamp ballasts.

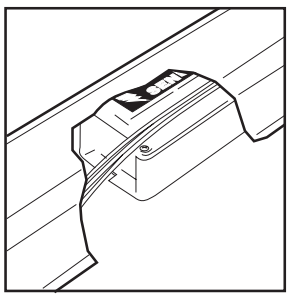
PERFORMANCE

Emergency Lamp Lumen Output

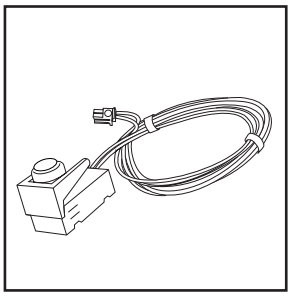


Light output data based on two F40 CW lamps (3050 lamp lumen rating). Two-lamp energy-saving rapid start ballast. Thermal and ballast factor corrections have been included. Light output for other lamp and ballast types will vary. Luminaire efficiency and application conditions must be determined to calculate actual illuminance levels.

KEY FEATURES

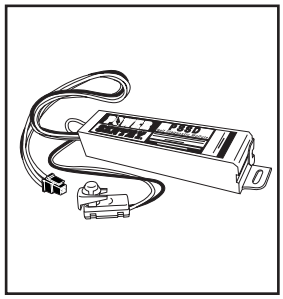


Unique space-saving housing.



Polarized quick-connect, integrated test switch/pilot light assembly.

KEY OPTIONS



Self-diagnostics module.