



## FEATURES & SPECIFICATIONS

**INTENDED USE** — Specification grade fluorescent battery pack operates one or two lamps (4' or shorter) or one 8' lamp. Factory or field installed within fluorescent fixture ballast channel. Upon interruption of normal power, battery pack automatically strikes and operates at reduced light output, providing optimum glare-free illumination for 90 minutes.

**CONSTRUCTION** — Durable thermoplastic/metal housing resists impact, scratches, and corrosion. UL-94V-0 flame rating.

Reduced-profile footprint fits in the tightest applications.

Polarized quick-connect pilot light/test switch assembly simplifies installation.

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

U.S. Patent No. 6,522,147; 5,814,971; 6,577,136; D550,154.

**PERFORMANCE** — Compatible with T8 and long compact (4 pin) magnetic, instant start, rapid start, and slimline ballasts for 90 minutes emergency operation. See lamp compatibility chart on page 2.

**ELECTRICAL** — Multi-voltage input capability (120V-277V; 50-60 Hz).

Constant current-type charger. 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.

**BATTERY** — Sealed, maintenance-free, high-temperature nickel-cadmium battery. Ensures long life over a wide range of temperatures. Automatic battery recharge after 90-minute discharge. Fully charged after 24 hours.

**INSTALLATION** — Patented Quick-Disconnect connector system allows for quick and easy replacements at end of life without rewiring.

Mounts concealed within fixture wireway for clean appearance and protection against vandalism; or mounts on outside of fixture housing if internal space is limited. Two 1/2" holes in fixture channel permit mounting of test switch/pilot light behind fixture lens.

Mounting centers are identical to a standard ballast.

Compact size (9.4"Lx2.19"Wx1.18"H) fits in a variety of fluorescent fixtures: troffers, volumetric recessed, industrials, commercials and strips.

Unit wires two ways: on night light circuit (permanently energized) or on switchable circuit (unswitch circuit to battery charger and switch circuit to the fixture ballast).

Unit mounting centers are identical to a standard ballast.

**LISTINGS** — UL 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.

For product UL approved for use in wet and damp location fixtures, see [PS600DW](#) spec sheet.

**WARRANTY** — 5-year limited warranty. Complete warranty terms located at:

[www.acuitybrands.com/CustomResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomResources/Terms_and_conditions.aspx)

**Note:** Actual performance may differ as a result of end-user environment and application.

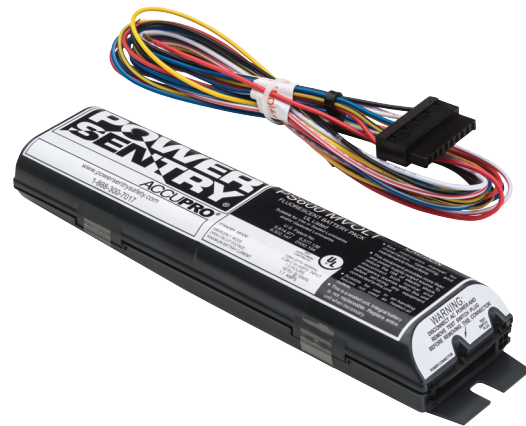
Specifications subject to change without notice.

Catalog Number
Notes
Type

600 Lumen Reduced-Profile

# PS600QD MVOLT

Emergency Ballast



**ORDERING INFORMATION** For shortest lead times, configure product using bolded options.

**Example:** PS600QD MVOLT SD

PS600QD MVOLT	
Series	Options
<b>PS600QD MVOLT</b> Emergency fluorescent battery pack	<b>SD</b> Self-diagnostics <sup>1</sup>

Accessories: Order as separate catalog number.	
ELA TSPLP	Remote or replacement test switch pilot light; mounts up to 25' away from fixture <sup>2</sup>
ELA TSPLPSD	Remote or replacement test switch pilot light for self-diagnostics; mounts up to 25' away from fixture <sup>2</sup>
ELA PSRME	Remote Mounting enclosure <sup>2</sup>
ELA PSMKSD	External mounting kit for self-diagnostics module <sup>2</sup>
PSSD2	Field-installable self-diagnostics module <sup>1</sup>

### Notes

- 1 Self-diagnostics (PSSD2) module ships separately. See [PSSD2](#) spec sheet for more details.
- 2 See [ELA-RTS-TSPLP-PSTS-PSPRSB](#) and [ELA-PSMK-PSMKSD-PSDMT-PSRME](#) spec sheets for more details.

# PS600QD MVOLT Emergency Ballast

## SPECIFICATIONS

BATTERY				
Sealed Nickel-Cadmium				
Voltage	Typical Shelf life <sup>1</sup>	Typical life <sup>1</sup>	Maintenance <sup>2</sup>	Temperature Range <sup>3</sup>
4.8V	3 years	7-9 years	none	32-100° F

### Notes

- At 77°F.
- All life safety equipment, including emergency lighting for path of egress must be maintained, serviced and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service or testing could jeopardize the safety of occupants and will void all warranties.
- 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 (32-122F).

## ELECTRICAL

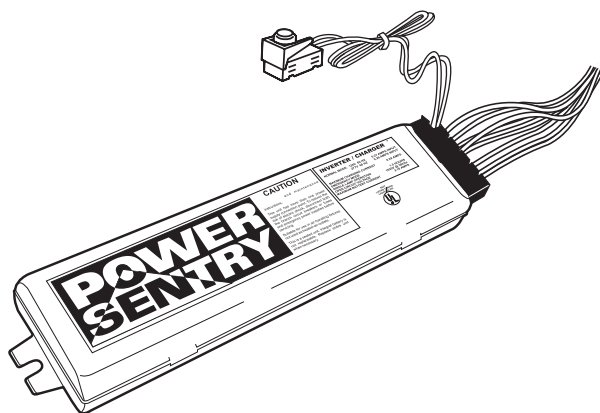
Volts	Maximum AC input	
	Amps	Watts
120	.29	3.0
277	.29	3.0

## LAMP COMPATIBILITY

Lamp Type	Wattage	PS600QD MVOLT
Lumens		600-700
U-Lamp T8	32	1
24"-48" T8	17-32	1.2
48"-60" T8	32-40	1.2
Long Compact (4-Pin)	18-40	1

### Notes

- \* Based on the lumen output of the lamp; provides full light output.
- One-lamp emergency operation for 1, 2, 3 or 4-lamp ballasts.
  - Two-Lamp emergency operation for 2, 2 or 4-lamp ballasts.
  - One-lamp, 2 hour emergency operation for 2, 3 or 4-lamp ballasts.

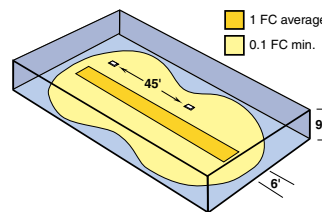


## RECOMMENDED SPACING

One Footcandle Average Fixture-to-Fixture Spacing Guidelines PS600QD MVOLT

	Application	2GT8332	2SP8332	2PM3N332	2AV332	2PM0332
2x4	Open Office	32	35	34	26	35
	Corridor	40	43	53	34	40
2x2	Open Office	32	33	29	29	28
	Corridor	39	40	35	29	28

## CORRIDOR SPACING

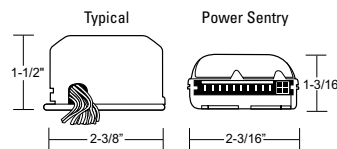


Meets Life Safety Code standard minimum illuminance of 0.1FC and average illuminance of 1.0 FC. Assumes 3 T8 lamps in each fixture, 6-foot wide path of egress, ceiling height 9' and reflectances of 80/50/20.

Fluorescent Battery Pack: PS600QD MVOLT  
Fluorescent Fixture: Lensed Troffer  
Lamp Type: F32T8

## MOUNTING

All dimensions are inches (millimeters).

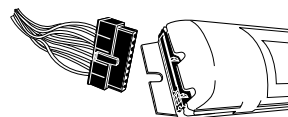


New reduced-profile design fits in the tightest of applications

Cross section end view:  
Length: 9.4 inches  
Shipping weight: 1.5 lbs (0.68 kg).

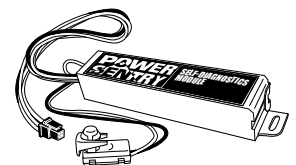
## KEY FEATURES

Quick-Disconnect wiring system



## KEY OPTIONS

Self Diagnostics Module



PS600QD MVOLT