

LED EMERGENCY CONVERTER

Description

The emergency converter 810023 is universal design for use with most LED lamps that works with constant power drivers. It is an emergency battery pack that uses electronic circuitry to convert energy stored in a battery into the DC voltage and current necessary to drive the LED load.

The unit can be installed as maintained or non-maintained unit and it allows the same LED fixture to be used for both normal and emergency operation.

When in emergency mode, the unit will operate a 1.2/2.5/3.5/5W LED load with constant power with a rated output voltage of 10-54V/10-300V. The unit has a discharge protection circuit, over load, short circuit and battery low voltage protection.

Each unit includes the battery pack, LED charge indicator, a test switch and the emergency power module, everything combined in a single box.

General Specification

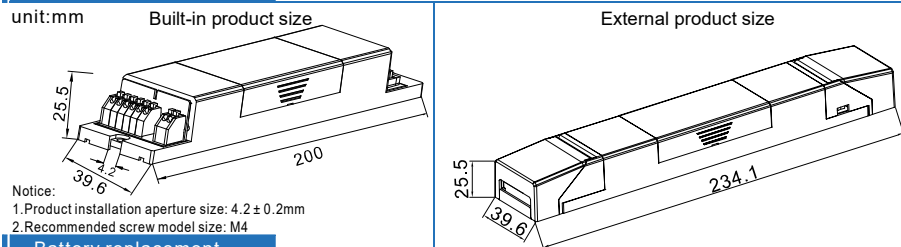
Rated supply voltage	220-240VAC
Mains frequency	50/60Hz
Ambient temperature ta	5-50 °C
Battery ambient temperature	5-60°C
Max. Casing temperature tc	70 °C

Battery discharge and LED output specifications

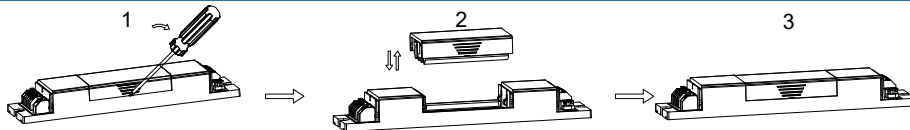
Item Code	Output voltage Min-Max	Output current Min-Max	Output power Min-Typ-Max	Battery discharge current Min-Typ-Max	Battery output power Min-Typ-Max	Battery discharge voltage Min-Typ-Max
810023	10-300Vdc	4-170mA	1.3-1.7-2W	650-740-840mA	1.9-2.4-2.7W	2.5-3.2-3.6V

Item Code	Batteries	Emergency Power	Emergency Duration	Charge Current	Charge Time
810023	18650/3.2V/3000mAhLiFePO4	2.5W	3h	200mA±10%	16h

Mechanical Outline



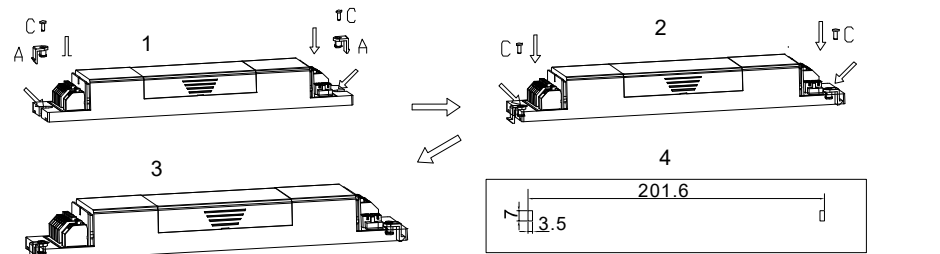
Battery replacement



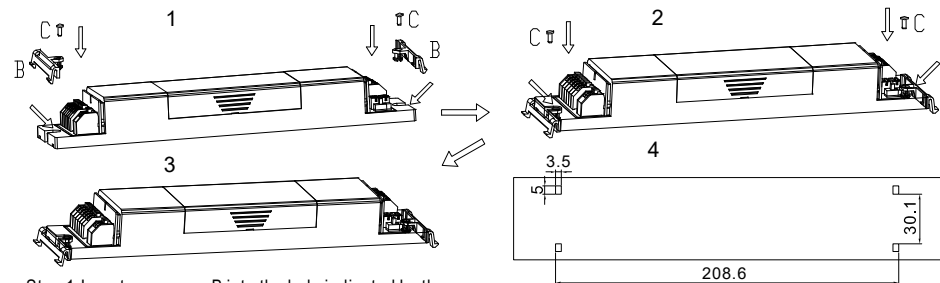
- Step 1: As shown in the diagram, insert a screwdriver into the hole and rotate to pry the battery box loose.
- Step 2: Take out the battery cartridge to be replaced upwards.
- Step 3: Snap the new battery cartridge down to complete the battery cartridge installation.

LED EMERGENCY CONVERTER EEC300/L-DL

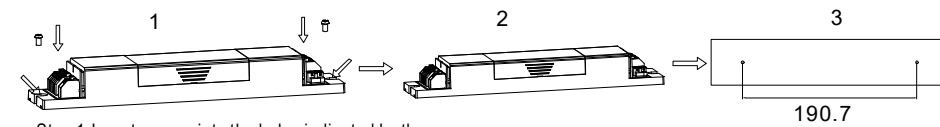
Mounting Options



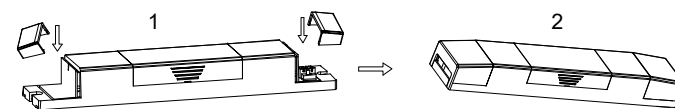
- Step 1: Insert accessory A into the hole indicated by the arrow.
- Step 2: Insert accessory C into the hole indicated by the arrow.
- Step 3: Drill holes in the area to be installed as shown in the diagram.
- Step 4: Insert the product into the holes to complete the built-in installation.



- Step 1: Insert accessory B into the hole indicated by the arrow.
- Step 2: Insert accessory C into the hole indicated by the arrow.
- Step 3: Drill holes in the area to be installed as shown in the diagram.
- Step 4: Insert the product into the holes to complete the built-in installation.



- Step 1: Insert screws into the holes indicated by the arrow.
- Step 2: Leave holes for screw installation in advance in the installation area.
- Step 3: Place the product with screws in the installation area.
- Step 4: Tighten the nut at the other end of the screw to complete the built-in installation.



- Step 1: Buckle accessory down completely into the product.
- Step 2: Complete the external installation.