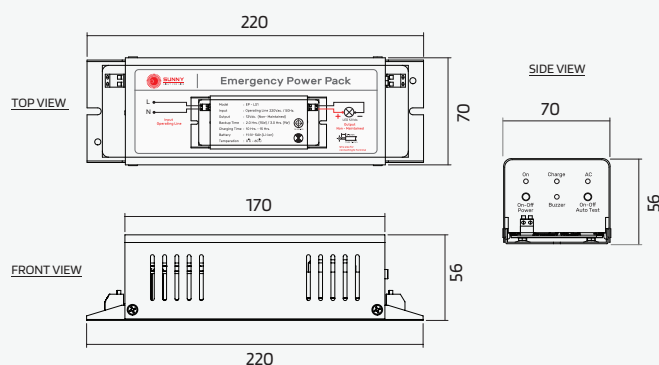




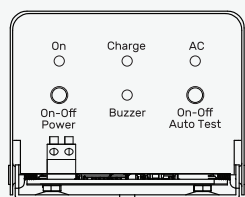
### Technical Specifications

Mode of Operation	Non - Maintained
Input Voltage	Operating Line 220 VAC / 50Hz $\pm$ 10%
Battery Type / Capacity	Lithium-ion battery 11.1V-5Ah
Standby power	2 Wattage
Output Voltage	12Vdc. (Non - Maintained)
Backup Time	Load 9W 3 Hours./ Load 15W 2 Hours
Charging period	10-15 Hrs
Housing	Electro-galvanized steel sheet 1mm. thick with epoxy powder coating
Dimensions (LxWxH)	220 x 70 x 56 mm
Weight	0.86 Kg
IP Rating	20

### Dimensions (mm)



### Indicators



- LED On ▶ Indicate that the unit is operational
- LED Charge ▶ Indicate that the battery is being charged
- LED AC. ▶ Indicate that the unit is receiving a power supply
- Switch On-Off Power ▶ Used to turn the unit on or off
- Buzzer ▶ Sound Indicator
- Switch On-Off Auto Test ▶ Used to turn the auto-test on or off

### Product Overview

The EP-LS1 emergency power pack with transfer relay is compactly designed, perfect for hidden installations in the ceiling to provide power for emergency lights installed in or under the ceiling. The EP-LS1 Power Pack is equipped with an innovative 3 Steps Charger (patent number 15955) to help extend the operational life of the battery.

The casing is produced from 1mm thick Electro-Galvanized steel coated with Epoxy powder and special chemicals to prevent any rust from forming.

The EP-LS1 emergency power pack has undergone continued innovation to give maximum value and functions to the users, as can be seen in the feature list.

### Features

#### Supported Load

- A 12 Vdc load for emergency lamps

#### Battery

- Lithium-ion 11.1V-5Ah

#### Power Supply Duration

- It can supply a 9 Watt load for 3 hours, a 15 Watt load for 2 hours

#### Functions

- An automatic 30-minute test can be set to perform every 30 days. This automatic testing can be turned on or off

#### Circuit Systems

- Controlled by an 8 bit microcontroller circuit
- An Autoactivation circuit when under voltage occurs
- A Timer Delay circuit to keep the unit operating for a few more seconds once normal power has returned

#### Protection Features

- AC and DC fuse to prevent current overload
- Surge Protection

#### Features to Extend Battery Life

- An innovative 3 Steps Charger (Limit Current, Constant Voltage, Flip-Flop Charger)
- A Low Voltage Cut-Off to prevent the battery from draining completely

#### Warning Systems

- An audible alarm will sound once every 15 seconds to warn that the Low Voltage Cut-Off is about to activate
- An audible alarm will sound twice every 15 seconds to indicate that the battery should be charged
- An LED will blink 3 times every 15 seconds to warn that there is less than 30 minutes of charge left in the battery. This warning will show for 10 minutes
- An LED will blink 4 times every 15 seconds to warn that there is a problem charging the battery

### Wiring Diagram

