



QW2889D

Emergency Lighting Driver

General Description

QW2889D is a LED driver designed for Emergency Lighting. The QW2889D employs patent protected main line detecting methodology to control and drive the emergency lighting system, without any peripheral components. The QW2889D can drive an LED load directly or to enable a boost circuitry, while the AC input main line could be 85-265Vac.

With Patented AC main line detection, the N or L line is compatible in QW2889D system. QW2889D integrates a precise single lithium-ion /polymer battery management functional blocks to protect the lithium-ion/polymer battery, including Over Charge Protection, Over Discharge Protection.

QW2889D has a built-in AC leakage detection module. Emergency lighting will be active while AC leakage detected.

QW2889D can deliver directly output current.

QW2889D is available in SOP-8 package.

Features

- Simplified application circuitry
- AC main line detecting directly
- 85-265Vac Input
- EN PIN drive LED load directly
- Integrated single lithium-ion/polymer battery management and protection
- L/N Mixing
- AC leakage emergency enable

Package Reference

1	VN	VL	8
2	NC	NC	7
3	EN	VDD	6
4	GND	BATP	5

Applications

- Emergency lighting
- Stand-by Lighting