

α Compact A

Internal Emergency Module for LED Luminaires

With Automatic Self-Test Technology

适用于 LED 灯具的带自检功能的内置式应急电源



Product Information 产品描述

This emergency module with Automatic Self-Test Technology is used inside LED luminaires with integrated LEDs and separate isolated LED driver. It is designed for installing within the fitting to provide a battery back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut the battery will supply the luminaire at a reduced output.

Automatic Self-Test technology that will perform regular automatic function and duration tests as required by EN 62034, reporting the results via a bi-coloured LED indicator.

此自检功能的应急电源适用于由隔离电源驱动的 LED 灯具，安装于灯具内部。应急电源需要持续通电以维持电池电量。在停电的情况下，电池以较低的功率给灯具中 LED 模组供电。

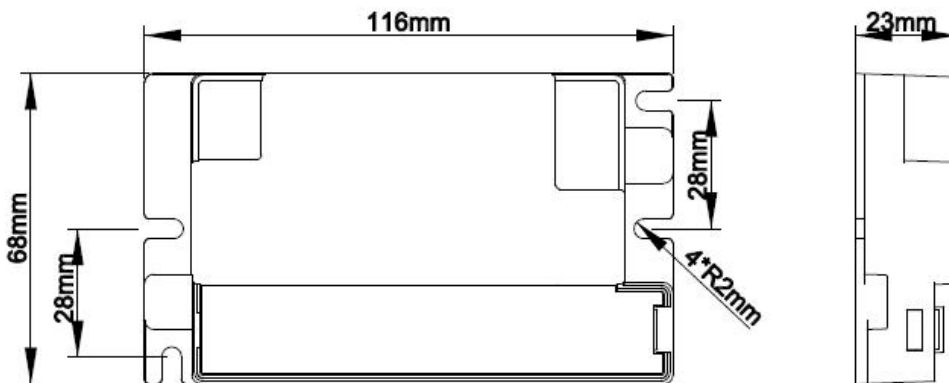
自检功能指按照 EN62034 的要求执行定期的自动功能和持续时间测试，并通过双色 LED 指示灯报告结果。

Features 产品特点

- For LED modules with a forward voltage of 24-190Vdc
- For maintained or non-maintained emergency lighting systems
- Automatic Self-Test technology conforming to EN 62034
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and LED module via internal terminals
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 1.5 hours or 3 hours rated duration
- Replaceable internal LiFePO4 or Li-ion battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Bi-coloured status LED indicator
- Weekly function test and yearly duration test
- For building-in
- 适用于电压为24-190Vdc的LED模组
- 用于持续式或非持续式应急照明灯具
- 自检功能符合标准EN 62034
- 符合EN61347-1,EN61347-2-7
- 通过端子与电源及LED模组接线
- 适用于高风险任务区照明的灯具
- 应急转换符合标准 EN 60598-2-22
- 1.5小时或3小时应急工作时间
- 内置的且方便更换的磷酸铁锂或锂离子电池组
- 具有过充,过流,短路,电池深度放电保护功能
- 双色状态指示灯
- 每周功能检测, 年度持续时间检测
- 内置式应用

Dimensions 产品尺寸

Emergency Module 应急模块



Indicator and Test Button 指示灯和测试按钮



Battery Pack 电池组

LIB6501-S26



Specifications 产品参数

Output Wattage 输出功率	1.5W	3W
Input Voltage 输入电压	220-240Vac 50/60Hz	220-240Vac 50/60Hz
Input Current (max) 输入电流 (最大值)	15mA	15mA
Output Voltage 输出电压	24-190Vdc	24-190Vdc
Output Current 输出电流	4-40mA	15-120mA
Open Circuit Voltage 开路电压	200Vdc	200Vdc
Maximum Working Voltage 工作电压 (最大值)	200Vdc	200Vdc
Protection IP 及防护等级	IP20, For built-in installation IP20, 内置安装	IP20, For built-in installation IP20, 内置安装
Input to Output Protection 输入到输出防护等级	Double Insulation 双重绝缘	Double Insulation 双重绝缘
Emergency Operation Time 应急工作时间	>3 h	>3 h or >1.5 h
Emergency Onversion Time 应急转换时间	<1s	<1s
Test Function 检测方式	Automatic and Manual 自动/手动	Automatic and Manual 自动/手动
Length x Width x Depth 长*宽*深	116 x 68 x 23mm	116 x 68 x 23mm
Input Connection 输入端连接方式	Push-fit terminals 0.5-1.5mm ² 按压快接端子 0.5-1.5mm ²	Push-fit terminals 0.5-1.5mm ² 按压快接端子 0.5-1.5mm ²
Output Connection 输出端连接方式	Push-fit terminals 0.5-1.5mm ² 按压快接端子 0.5-1.5mm ²	Push-fit terminals 0.5-1.5mm ² 按压快接端子 0.5-1.5mm ²
Maximum Case Temperature 外壳最高温度(°C)	75°C	75°C
Ambient Temperature Range 工作环境温度(°C)	0 to 45°C	0 to 45°C

Notes: Not suitable for use on a battery supply with a trickle or intermittent re-charging circuit. The emergency module is not protected against supply voltage polarity reversal.

注意：不适用于带涓流或间歇充电电路的电池供电，应急电源无电池极性反接保护功能。

Battery Pack Options 电池组选项

Battery Code 电池型号	LFP6501-S18	LIB6501-S32
Battery Type 电池类型	LiFePO4 18650	Li-ion 18650
Battery Capacity 电池容量	1800mAh	3200mAh
Battery Voltage 电池电压	3.2V	3.7V
Battery Charge Voltage 电池充电电压	3.6 Vdc	4.5 Vdc
Battery Charge Current 电池充电电流	250mA	30-400mA
Battery Discharge Voltage 电池放电电压	2.5-3.6 Vdc	3.2-4.2 Vdc
Battery Discharge Current 电池放电电流	300-450mA	500-700mA
Charging Time 充电时间	>24h	>24h
Battery Life 电池寿命	2 Years	2 Years

Order Codes 产品型号

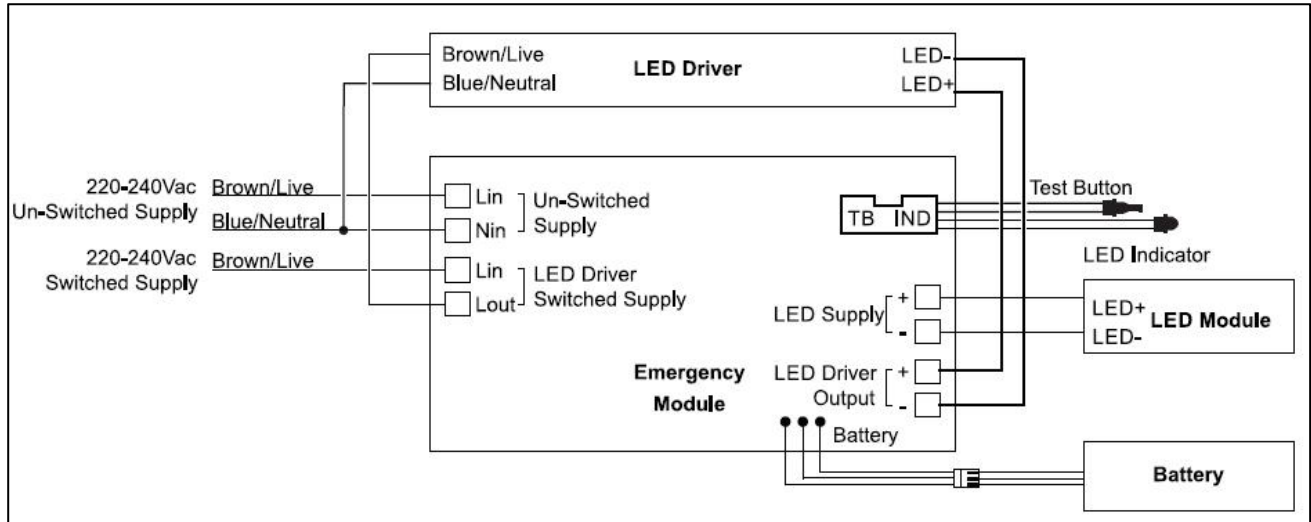
Order Code 产品型号	Description 描述
ACA01-30/ST	α Compact A Selftest, 1.5W output wattage, 3hours emergency operation time, LFP6501-S18 α Compact 自测试版, 1.5W 输出功率, 3 小时 应急工作时间, LFP6501-S18
ACA03-30/ST	α Compact A Selftest, 3W output wattage, 3hours emergency operation time, LIB6501-S32 α Compact A 自测试版, 3W 输出功率, 3 小时 应急工作时间, LIB6501-S32
ACA03-15/ST	α Compact A Selftest, 3W output wattage, 1.5hours emergency operation time, LFP6501-S18 α Compact A 自测试版, 3W 输出功率, 1.5 小时 应急工作时间, LFP6501-S18

Customizable Accessories 可定制配件

Type 类型	Description 描述
LED indicator & Test button cable 指示灯及测试按钮线	Bi-coloured status LED indicator and test button cable with 4-pole plug 带 4 位连接器的双色状态指示灯和测试按钮电线

Wiring Diagram 接线图

Driver output current $\leq 2A$ 驱动输出电流 $\leq 2A$



Driver output current $> 2A$ 驱动输出电流 $> 2A$

