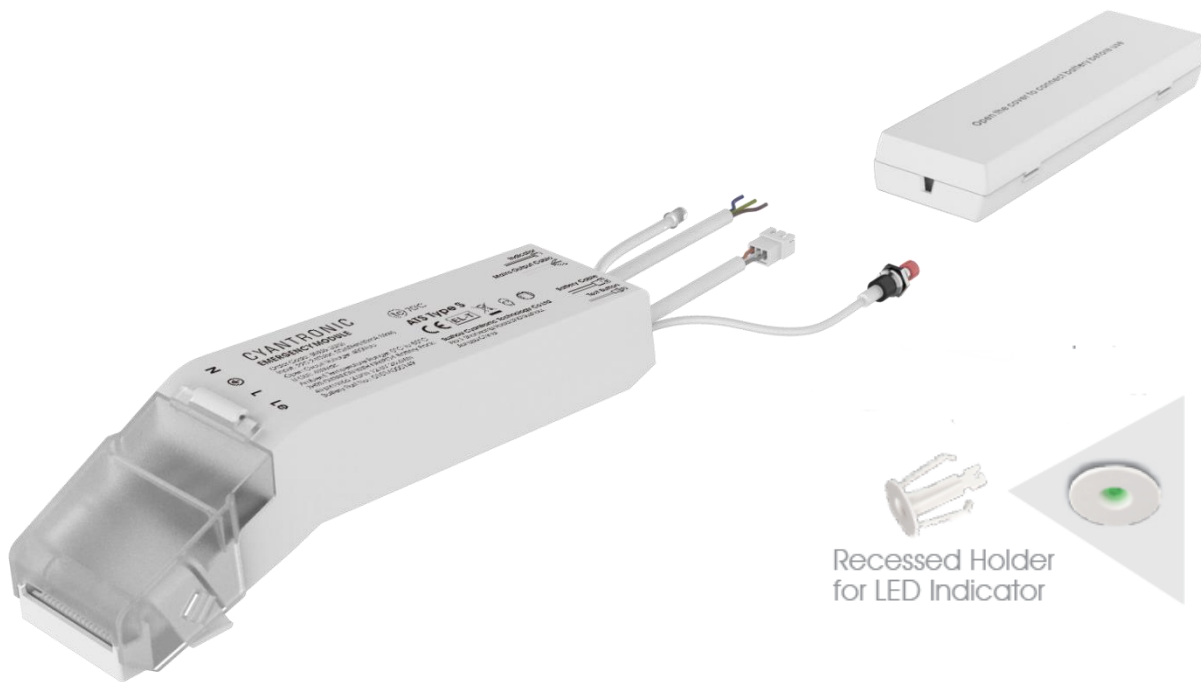


β Mains

Standard and Self-Test 2 in 1 External Emergency Module for LED Luminaires

适用于 LED 灯具的标准/自检 2 合 1 外置式应急电源



Product Information 产品描述

The emergency module (EM) is suitable for LED luminaires. The EM has a replaceable battery and is designed for installing within the ceiling void to provide a battery back-up supply in the event of a power cut. It allows pass-through from the mains but will switch to the battery supply in an emergency. The EM requires a permanent live un-switched supply to maintain the battery charge.

It is provided with self-test mode and annual duration test as default. 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.

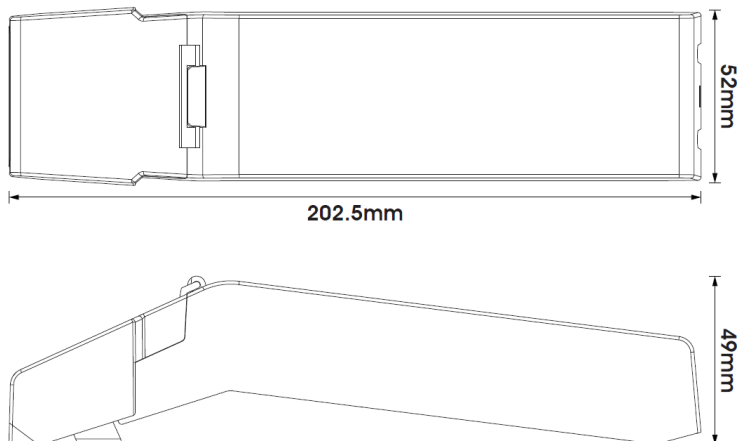
此应急电源适用于 LED 灯具。电池可更换，可直接放在天花板内，停电时作为备用电源给灯供电。可接到灯具的供电端，停电时切换至电池供电。应急包需持续通电，为电池充电。

应急电源出厂默认设置为自测试模式、每年度放电时间检测，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。

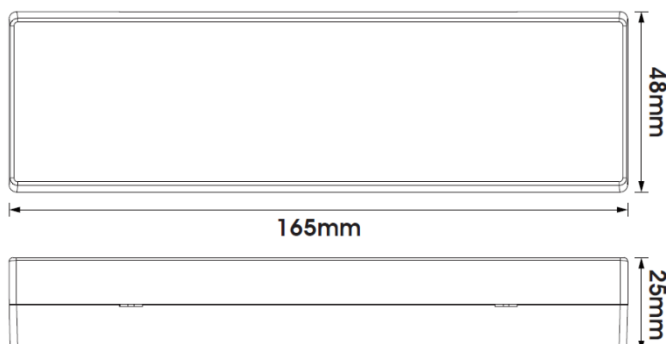
- A mains voltage DC signal output
- Triple-press test button to change test mode (standard/self-test)
- Double-press test button to change duration test interval (26weeks/52weeks)
- For maintained emergency lighting systems
- Automatic Self-Test technology conforming to EN 62034
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between luminaire driver via wiring leads
- Suitable for use in luminaires for high-risk task area lighting
- Voltage change-over threshold according to EN 60598-2-22
- 3 hours rated duration
- Replaceable Li-ion battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Bi-coloured status LED
- Weekly function test and yearly/semi-yearly duration test for self-test mode
- For independent
- Battery charging temperature control
- 市电电压直流信号输出
- 三击测试按钮设置标准/自测试模式
- 双击测试按钮设置持续时间检测周期 (26周/52周)
- 用于持续式应急照明灯具
- 自检功能符合标准EN 62034
- 符合标准EN 61347-1,EN 61347-2-7
- 通过电线与灯具的电源连线
- 适用于高风险任务区照明灯具
- 应急转换符合标准EN60598-2-22
- 3小时应急工作时间
- 可更换的锂离子电池组
- 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
- 自检模式下，每周功能检测,每年/每半年持续时间检测
- 外置式应用
- 电池充电温度控制

Dimensions 产品尺寸

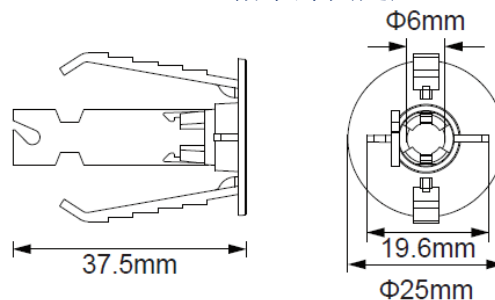
Emergency Module 应急电源



Battery Pack 电池组



Indicator Holder 指示灯固定座



Product Code 产品型号	BM12-30/ST
Input Parameters 输入参数	
Rated Input Voltage Range 额定工作电压范围	220-240Vac
Operation Input Voltage Range 输入电压范围	198-264Vac
Input frequency 工作频率	50/60Hz
Input Wattage (max) 输入功率 (最大值)	7W @Rated Input Voltage & Battery full discharge 7W @额定工作电压输入及电池完全放电后
Input Current (max) 输入电流 (最大值)	40mA @Rated Input Voltage & Battery full discharge 40mA @额定工作电压输入及电池完全放电后
Input PF 功率因数	PF:0.75 @Rated Input Voltage & Battery full discharge PF:0.75 @额定工作电压输入及电池完全放电后
Overvoltage Protection 过压保护	Yes
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
Output Parameters 输出参数	
Regulation Method 恒定方式	Adjust according to the connected luminaire 根据所接灯具进行调节
Battery Output Wattage(max) 电池输出功率(最大值)	12W Max
Rated Output Wattage 额定输出功率	6W Max
Rated Output Voltage Range 额定输出电压范围	Adjust according to the connected luminaire 根据所接灯具进行调节
Rated Output Current Range 额定输出电流范围	Adjust according to the connected luminaire 根据所接灯具进行调节
Max. Open Circuit Voltage 最大开路电压	400Vdc
U-OUT	400Vdc
Short-circuit Protection 短路保护	Yes (For battery)
Open Circuit Protection 开路保护	No
Output Connection 输出端连接方式	3-core wiring leads 3 芯电线
Output Hot Plug-in 输出热拔插	When the driver is powered on and the battery is connected, reconnecting the LED luminaire is not allowed. 通电状态下, 不允许重新插拔负载

Safety 安全	
Input to Output Protection 输入到输出防护等级	Double Insulation 双重绝缘
Battery to Output Protection 电池到输出防护等级	N/A
Mains Surge Capability 雷击	L-N:1KV L&N-GND:2KV
IP Protection IP 等级	IP20, Independent Driver IP20, 独立式电源
Emergency Information 应急信息	
Mains Voltage Changeover Threshold 应急转换电压范围	144-187Vac
Emergency Operation Time 应急工作时间	3h
Emergency Conversion Time 应急转换时间	<1s
Test Function 检测方式	Automatic Self-Test / Manual test 自测试/手动测试
Environment & Life time 环境&寿命	
Operating Temperature Range 工作环境温度	Ta:0 to 45°C
Maximum Case Temperature 外壳最高温度	Tc:75°C
Operating Humidity 工作环境湿度	<75% RH (Not Condensing)
Operating Altitude 工作海拔高度	≤3000m
Driver Storage temp./humidity 驱动储存温度/湿度	-20-50°C(≤75% RH)
Driver Guarantee 驱动保修期	5 Years 5 年
Certifications and Standards 认证和标准	
Certifications 认证	CE
Safety 安全	EN 61347-1, EN 61347-2-7, EN 62493
EMC	EN 55015, EN 61000-3-2, EN6 1000-3-3, EN 61547
RoHS	Directive 2011/65/EU with amendment (EU) 2015/863
Reach	No.1907/ 2006(EC) SVCH 240

Battery Pack 电池组	
Battery Model 电池型号	4INR19/66 3.2Ah 14.8V
Cell Type 电芯规格	Li-ion 18650 3.7V 3200mAh
Number of cells 电芯数量	4
Series-parallel Combination 串并联方式	4S1P
Rated Battery Capacity 标称电池容量	3200mAh
Rated Battery Voltage 标称电池电压	14.8V
Battery Energy 电池能量	47.36Wh
Battery Charge Voltage 电池充电电压	16.8±0.1V
Battery Charge Current 电池充电电流	Max.250mA
Battery Discharge Voltage 电池放电电压	12.0-16.8V
Battery Discharge Current 电池放电电流	700-1000mA
Charging Time 充电时间	24h
Charge Temperature Range Tcmin-Tcmax 充电温度范围	0 to 50℃
Battery Design Life 电池设计寿命	5 Years at 40℃
Max. storage time 最长储存时间	12 months at +5 °C to +25 °C

Wiring Diagram接线图

