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Standard External Suspended/Surface Mounted Emergency Module for LED High Bay/Low Bay Luminaires

适用于 LED High Bay/Low Bay 的标准版外置悬挂式/表面安装式应急电源

Patented



Product Information 产品描述

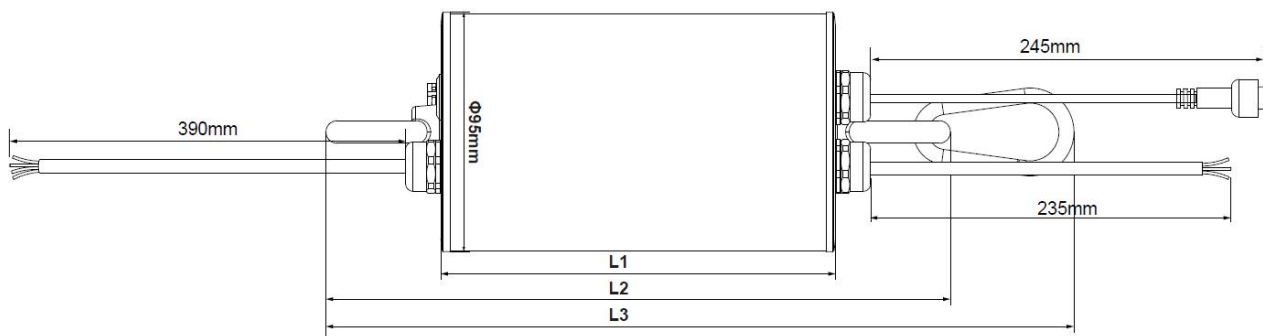
The emergency module is designed for use with the high bay or low bay luminaires with LED supply connector. It can be suspended with a luminaire or surface mounted to provide a back-up supply in the event of a power cut. The emergency module requires a permanent live un-switched supply to maintain the battery charge. In the event of a power cut, the battery will supply the integrated LEDs at a reduced output.

此应急电源适用于带 LED 负载输入接口的 LED high bay 或 low bay 灯具。可悬挂于灯具上方或固定于灯具上，停电时给灯供电。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。

Features 产品特点

- For High Bay/Low Bay Luminaires with LED supply connector
- For LED modules with a forward voltage of 30-300Vdc
- For maintained or non-maintained emergency lighting systems
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between LED module and emergency module via water-proof connector
- 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
- Built-in non-replaceable LiFePO4 battery pack
- Over-charge, over-current, short-circuit and deep discharge protection for battery
- Built-in green status LED indicator
- Remote control for a quick functional test
- IP65
- Optional Suspended or Surface Mounted
- For independent
- Battery charging temperature control
- 适用于带LED负载输入接口的High Bay/Low Bay灯具
- 适用于电压为30-300Vdc的LED模组
- 用于持续式或非持续式应急照明灯具
- 符合标准EN 61347-1和EN 61347-2-7
- 通过防水连接器连接应急电源及LED模组
- 适用于高危险任务区照明的灯具
- 应急转换符合标准EN60598-2-22
- 1.5小时或3小时应急工作时间
- 内置不可更换的磷酸铁锂电池组
- 具有过充、过流、短路、电池深度放电保护功能
- 内置绿色状态指示灯
- 用遥控进行功能测试
- IP65
- 吊装或表面安装两种安装方式
- 外置式应用
- 电池充电温度控制

Dimensions 产品尺寸



	L1	L2	L3
10W	157mm	230mm	295mm
20W	233mm	306mm	371mm

Specifications 产品参数

Product Code 产品型号	OA10-30	OA20-15	OA20-30
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）	6W @Rated Input Voltage & Battery full discharge 6W @ 额定工作电压输入及电池完全放电后	11W @Rated Input Voltage & Battery full discharge 11W @ 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）	30mA @Rated Input Voltage & Battery full discharge 30mA @ 额定工作电压输入及电池完全放电后	60mA @Rated Input Voltage & Battery full discharge 60mA @ 额定工作电压输入及电池完全放电后	
Input PF 功率因数	PF:0.85 @Rated Input Voltage & Battery full discharge PF:0.85 @ 额定工作电压输入及电池完全放电后	PF:0.85 @Rated Input Voltage & Battery full discharge PF:0.85 @ 额定工作电压输入及电池完全放电后	
Overvoltage Protection 过压保护	No		
Input Connection 输入端连接方式	Wiring leads 电线		
Output Parameters 输出参数			
Regulation Method 恒定方式	Constant Wattage 恒功率		
Battery Output Wattage(max) 电池输出功率(最大值)	10W Max	20W Max	20W Max
Rated Output Wattage 额定输出功率	8W Max	16W Max	16W Max
Rated Output Voltage Range 额定输出电压范围	30-300Vdc		
Rated Output Current Range 额定输出电流范围	27-265mA	53-530mA	53-530mA
Max. Open Circuit Voltage 最大开路电压	310Vdc		
U-OUT	310Vdc		
Short-circuit Protection 短路保护	Yes (For battery)		
Open Circuit Protection 开路保护	Yes		

Output Connection 输出端连接方式	Wiring leads with connector 带端子电线		
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	Basic Insulation 基本绝缘		
Mains Surge Capability 雷击	L-N:1KV		
IP Protection IP 等级	IP65, Independent Driver IP65，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	1.5h	3h
Emergency Conversion Time 应急转换时间	<1s		
Test Function 检测方式	Manual (Not Automatic Self-Test) 手动测试(非自测试式) 1. Hold down the test button for a quick functional test. 按住测试按钮进行应急功能检测。 2. Switched off the un-switched supply for a 3-hour test after 24 hours fully charge. 充电 24H 后，关闭市电进行 3 小时放电测试。		
Environment & Life time 环境&寿命			
Operating Temperature Range 工作环境温度	Ta:0 to 50℃		
Maximum Case Temperature 外壳最高温度	Tc:75℃		
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℃(≤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	EN55015, EN61000-3-2, EN61000-3-3, EN61547
RoHS	Directive 2011/65/EU with amendment (EU) 2015/863
Reach	No.1907/ 2006(EC) SVCH 240
Patent 专利	
EP3229557B1	EMERGENCY LIGHTING
CN109640479B	一种兼恒功率输出的应急驱动的照明装置

Battery Pack 电池组		
Battery Model 电池型号	3IFpR27/72 4.0Ah 9.6V (for 10W 3h, 20W 1.5h)	3IFpR27/72-2 8.0Ah 9.6V (for 20W 3h)
Cell Type 电芯规格	LiFePO4 26700 3.2V 4000mAh	LiFePO4 26700 3.2V 4000mAh
Number of cells 电芯数量	3	6
Series-parallel Combination 串并联方式	3S1P	3S2P
Rated Battery Capacity 标称电池容量	4000mAh	8000mAh
Rated Battery Voltage 标称电池电压	9.6V	9.6V
Battery Energy 电池能量	38.4Wh	76.8Wh
Battery Charge Voltage 电池充电电压	10.8V±0.1V	10.8V±0.1V
Battery Charge Current 电池充电电流	Max.330mA	Max.650mA
Battery Discharge Voltage 电池放电电压	7.5-10.8V	7.5-10.8V
Battery Discharge Current 电池放电电流	975-1025mA (10W 3h) 1965-2005mA (20W 1.5h)	1965-2005mA
Charging Time 充电时间	24h	24h
Charge Temperature Range Tcmin-Tcmax 充电温度范围	0 to 65℃	0 to 65℃
Battery Design Life 电池设计寿命	5 Years at 50℃	5 Years at 50℃

Max. storage time 最长储存时间	12 months at +5 °C to +25 °C	12 months at +5 °C to +25 °C
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Customizable Accessories 可定制配件

Type 类型	Description 描述
3PIN Water-proof connector 3PIN 防水连接器	3PIN IP68 water-proof connector for connecting emergency module to driver 3PIN IP68 防水连接器用于应急电源与灯具驱动间的接线
5PIN Water-proof connector 5PIN 防水连接器	5PIN IP68 water-proof connector for connecting emergency module to mains supply 5PIN IP68 防水连接器用于应急电源的供电接线
Surface Mounted Bracket 表面安装支架	Bracket for Surface Mounted 适用于表面安装的支架

Wiring Diagram 接线图

