

产品规格书

Datasheet

产品名称
Product

α Compact C

产品型号
Specification

ACC03-30/SS

客户编码
Client number

137000483120

编制
Edited by

Qin Chen

审核
Checked by



版本
Version

V1.3

发行日期
Date

2025/5/14

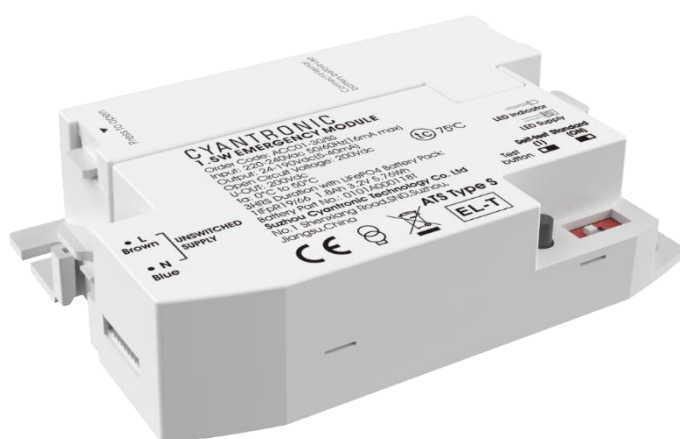
客户确认
Customer confirmation

α Compact C

Manual and Self-Test 2 in 1 Internal Emergency Module for LED Surface Luminaires

适用于 LED 表面安装灯具的标准/自检 2 合 1 外置式应急电源

Patented



LED Indicator Cable



Holder for LED Indicator

Product Information 产品描述

This emergency module with Automatic Self-Test Technology is used in LED luminaires with integrated LEDs and separate LED drivers. 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 luminaires 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.

此具有自检功能的应急电源适用于 LED 灯具，并安装于灯具内部。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。

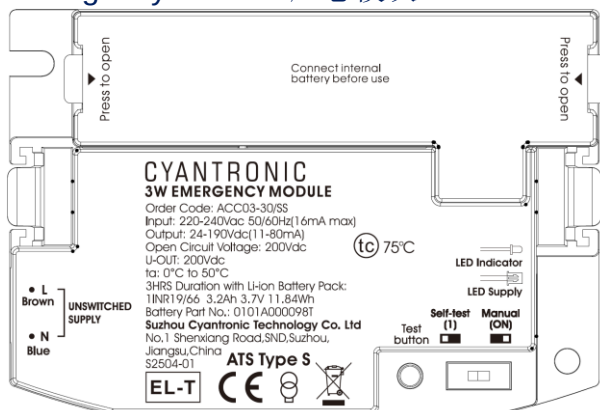
自检功能指按照 EN62034 的要求执行定期的自动功能和持续时间测试, 并通过双色 LED 指示灯报告结果。自检功能指按照 EN62034 的要求执行定期的自动功能和持续时间测试, 并通过双色 LED 指示灯报告结果。

Features 产品特点

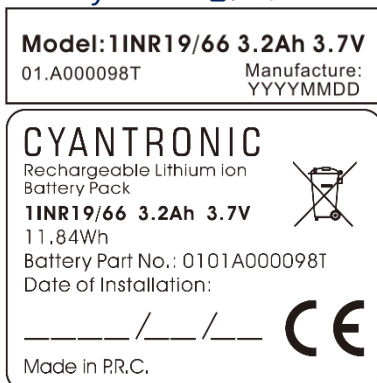
- To set manual or self-test mode via the DIP switch
- Double-press test button to change duration test interval (26weeks/52weeks)
- For LED modules with a forward voltage of 24-190Vdc
- For maintained or non-maintained emergency lighting systems
- Automatic self-test technology conforming to EN 62034
- Conforms to EN 61347-1 and EN 61347-2-7
- Wired between driver and LED module via wiring leads with connector
- 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 internal 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/semi-yearly duration test for self-test mode
- Constant power output
- For built-in
- Battery charging temperature control
- 通过拨码开关设置手动或自检模式
- 双击测试按钮设置持续时间检测周期 (26周/52周)
- 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
- 通过带端子电线与电源及LED模组接线
- 适用于高风险任务区照明灯具
- 应急转换符合标准EN 60598-2-22
- 3小时应急工作时间
- 内置的且方便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
- 恒功率输出
- 内置式应用
- 电池充电温度控制

Product Label 产品标签

Emergency Module 应急模块

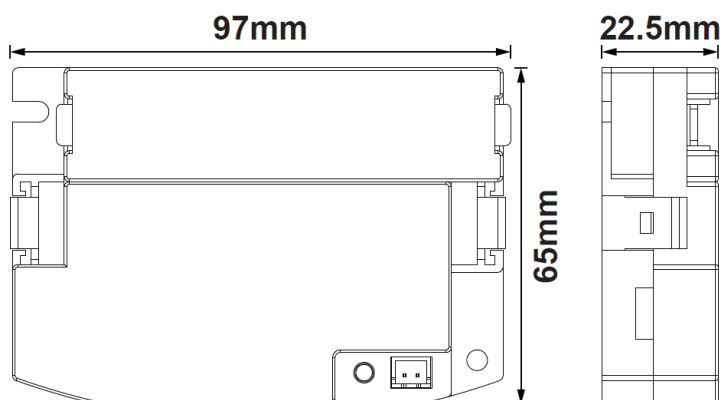


Battery Pack 电池组



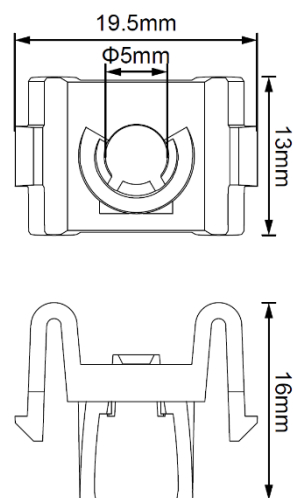
Dimensions 产品尺寸

Emergency Module 应急模块

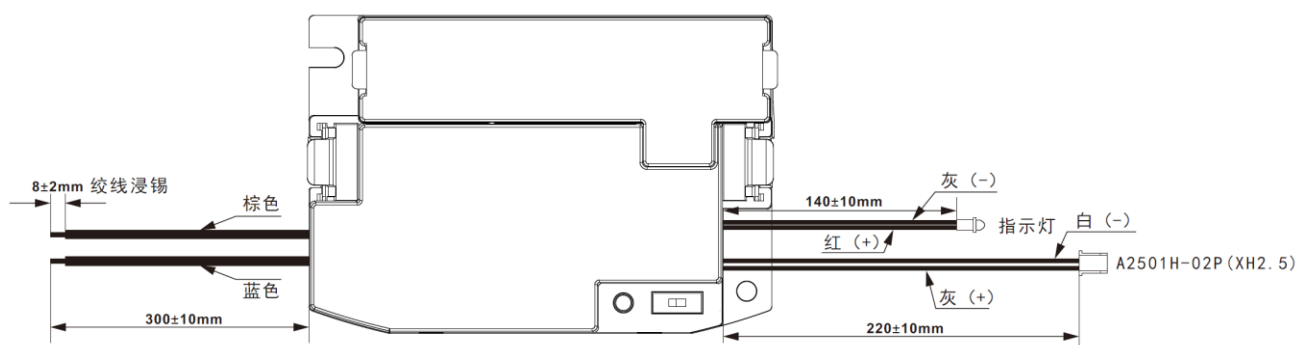


公差: $\pm 1\text{mm}$

Indicator Holder 指示灯固定座



Input & Output Cable 输入输出电线



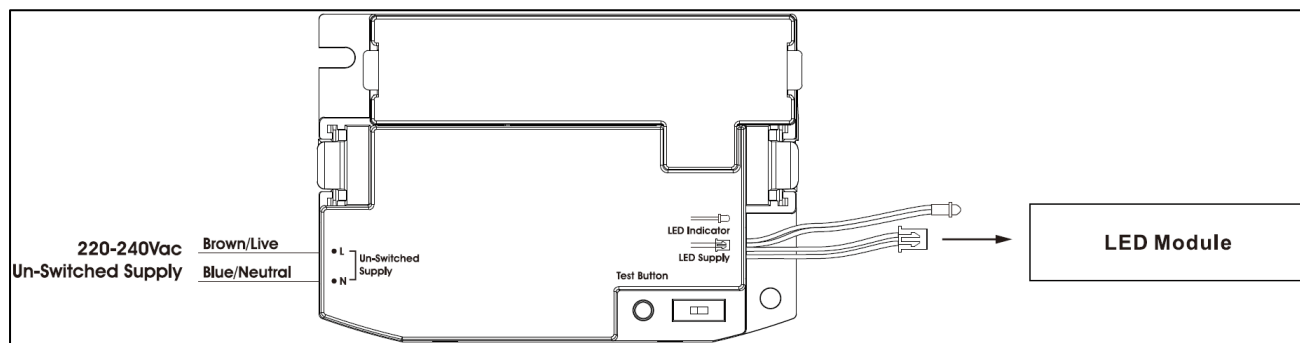
Product Code 产品型号	ACC03-30/SS
Input Parameters 输入参数	
Rated Input Voltage Range 额定工作电压范围	220-240Vac
Operation Input Voltage Range 输入电压范围	198-264Vac
Input frequency 工作频率	50/60Hz
Input Wattage (max) 输入功率 (最大值)	2.5W @Rated Input Voltage & Battery full discharge 2.5W @额定工作电压输入及电池完全放电后
Input Current (max) 输入电流 (最大值)	16mA @Rated Input Voltage & Battery full discharge 16mA @额定工作电压输入及电池完全放电后
Input PF 功率因数	PF:0.6 @Rated Input Voltage & Battery full discharge PF:0.6 @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	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	Constant Wattage 恒功率
Battery Output Wattage(max) 电池输出功率(最大值)	3W Max
Rated Output Wattage 额定输出功率	2W Max
Rated Output Voltage Range 额定输出电压范围	24-190Vdc
Rated Output Current Range 额定输出电流范围	11-80mA
Max. Open Circuit Voltage 最大开路电压	200Vdc
U-OUT	200Vdc
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 带端子的电线
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	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 50°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
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

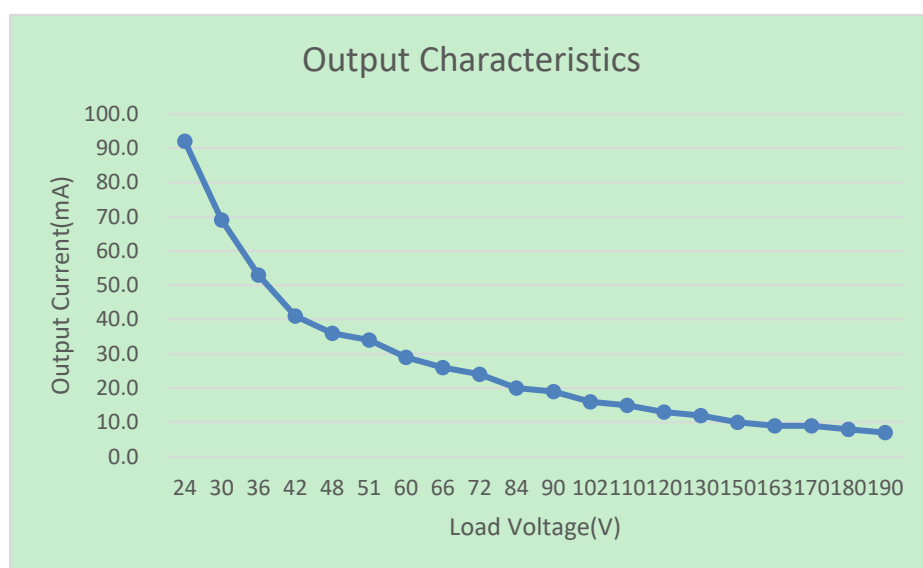
Patent 专利	
EP3229557B1	EMERGENCY LIGHTING
CN109640479B	一种兼恒功率输出的应急驱动的照明装置

Battery Pack 电池组	
Battery Model 电池型号	11NR19/66 3.2Ah 3.7V
Cell Type 电芯规格	Li-ion 18650 3.7V 3200mAh
Number of cells 电芯数量	1
Series-parallel Combination 串并联方式	1S1P
Rated Battery Capacity 标称电池容量	3200mAh
Rated Battery Voltage 标称电池电压	3.7V
Battery Energy 电池能量	11.84Wh
Battery Charge Voltage 电池充电电压	4.2±0.1V
Battery Charge Current 电池充电电流	Max.220mA
Battery Discharge Voltage 电池放电电压	3.0-4.2V
Battery Discharge Current 电池放电电流	670-700mA
Charging Time 充电时间	24h
Charge Temperature Range Tcmin-Tcmax 充电温度范围	0 to 50°C
Battery Design Life 电池设计寿命	5 Years at 40°C
Max. storage time 最长储存时间	12 months at +5 °C to +25 °C

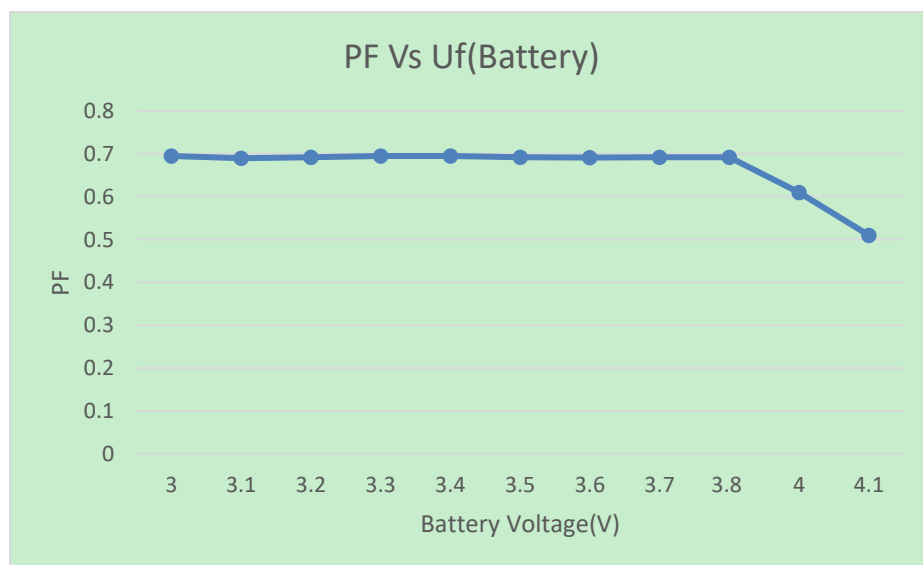
Wiring Diagram 接线图



Output Characteristics 输出参数曲线



PF Vs Uf (Battery)



Packaging (Include Accessories)

产品包装(包含配件)

Model 型号	Product size 产品尺寸	Weight 重量/台	Carton size 外箱尺寸	Qty/carton 包装/箱	N.W 净重/ 箱	G.W 毛重/箱
ACC03-30/SS	L97*W65*H22.5mm	150g	L365*W275*H240mm	60pcs	9kg	9.5kg

Date Code

追溯码

S2504-01

S — 工厂简称

2504 — 工单生产年月

01 — 本月生产的第1个工单