



 **COOLON**

# EMERGENCY PACK

62W Battery Pack



## LOW SUSCEPTIBILITY TO VIBRATION

The Emergency Pack is designed to handle continuous exposure to vibration. Designed specifically to be mounted away from the luminaire to minimize the weight of the luminaire and effects of mechanical shock and vibration.



## INDUSTRIAL GRADE FINISHINGS

We source the finest alloys and surface treatments to ensure our product provides superior performance all year round in all weather conditions.



## EXTENSIVE FACTORY WARRANTY

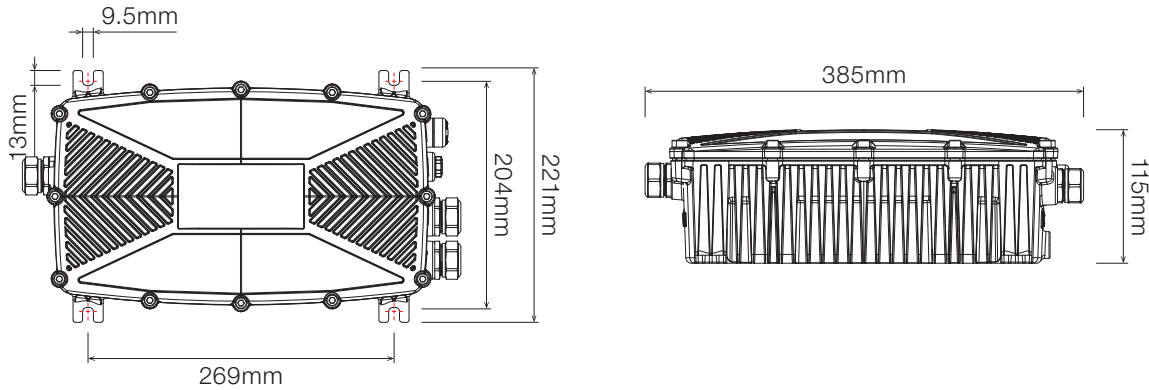
Coolon Products are covered by a comprehensible manufacturer's warranty that covers a range of possible defects and performance parameters throughout the duration of the warranty period.



## PROUDLY MADE IN AUSTRALIA

Engineered to perfection, using only the highest quality components and highly skilled labour, each luminaire is assembled and thoroughly tested to ensure that it exceeds the highest standards.

## DIMENSIONS



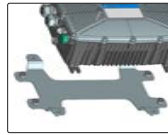
## OPTIONAL ACCESSORIES

Optional accessories available separately. Refer to industrial accessories page: [coolon.com.au/industrial-led-lighting/accessories](http://coolon.com.au/industrial-led-lighting/accessories) or follow the links below to download now.



### U-Bolt Pole Mounting Plate

[coolon.com.au/dl/ind-acc-u-bolt-pmp](http://coolon.com.au/dl/ind-acc-u-bolt-pmp)



### 036AL-381AL Adapter Plate

[coolon.com.au/dl/ind-acc-036AL-381AL-Adapter-Plate](http://coolon.com.au/dl/ind-acc-036AL-381AL-Adapter-Plate)

## TECHNICAL SPECIFICATIONS

### Make/Model

Model Emergency Pack

### Electrical Characteristics

Input Power Consumption	62W typical, 97W (during charge)
Input Voltage (Nominal)	230VAC single phase
Input Voltage Range	90 – 300VAC
Frequency Range	47 – 63Hz
Power Factor	>0.95 / 230VAC
Battery Chemistry Type	LiFePO <sub>4</sub>
Battery Capacity	102 Wh
Charge Time	16 hours
Output Voltage Typical	24V DC
Output Voltage Range (mains powered/ non emergency mode)	24V DC+ / -0.5V
Output Voltage Range (battery powered/ emergency mode)	23.2 – 30.3V, 25.6 typical (under load)
Output Power	62W (@24V) during mains operation 30W during battery operation.
Battery Backup Duration	At least 2 hours after full charge at 30W output load

### Environmental Characteristics

IP Rating	IP66
Salt Spray Tested	Yes
Operating Temp. Range	0°C to +50°C <sup>1</sup>
Material Composition (Body)	LM6 Aluminium Alloy (<0.1% copper content)

### Input / Output Cable Connections

Input terminal wire cross-section	4mm <sup>2</sup> maximum
Input gland cable diameter	8 – 10mm for pre-installed cable gland or according to M25 cable gland selected on-site
Output terminal wire cross-section	4mm <sup>2</sup> maximum
Output gland cable diameter	8 – 10mm for pre-installed cable gland or according to M25 cable gland selected on-site

### Storage

Temperature	0°C to +50°C
Shelf Life	Up to 12 months @ 20±5°C <sup>2</sup>

### Weight/Packaging

Unit Dimensions	382 x 221 x 115mm
Unit Weight	5.8kg

### Warranty

Warranty	3 years warranty as standard
----------	------------------------------

### Notes

Reading taken while test unit operating in steady state. Ambient temperature during testing is typically 25°C. Induced voltage on the Control wire should be no greater than 10V. Individual unit behaviour may differ due to electronic component tolerance and ambient conditions. Product parameters and application suitability shall be checked by the user prior to commissioning.

<sup>1</sup> Units exposed to direct sunlight can reach temperatures above 50°C. Ensure in field units are shielded from direct sunlight.

<sup>2</sup> Shelf life time with Battery Switch in OFF position is defined as time since product dispatch from Coolon, or since last charge cycle. Storage temperatures outside of 20±5°C but within the prescribed storage temperature limit will result in a decreased product shelf life of up to 6 months.

## ORDERING EXAMPLE

**EMP - 424 - 381AL**

PRODUCT                      TYPE                      ENCLOSURE

PRODUCT	TYPE	ENCLOSURE
EMP    Emergency Pack	424    4AH 24VDC	381AL    Aluminium Alloy Enclosure (<0.1% copper content)