

EM converterLED BASIC G2 LiFePo4 50 V Kit

Ausführung BASIC

**Product description**

- _ Kit with emergency lighting LED driver, battery for 3 h duration and indication LED
- _ For self-contained emergency lighting
- _ For LED modules with a forward voltage of 10 – 54 V
- _ SELV for output voltage < 60 V DC
- _ Low profile casing (21 x 30 mm cross-section)
- _ For luminaire installation
- _ EM = Emergency
- _ 5 years guarantee (conditions at <https://www.tridonic.com/en/int/services/manufacture-guarantee-conditions>)

Properties

- _ Non maintained operation
- _ 3 h rated duration
- _ Compatible with all dimmable and non-dimmable constant current LED driver (see data sheet, LED driver compatibility)
- _ 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED driver
- _ Automatic shutdown of output if LED load is out of range
- _ Constant power output
- _ Maximum light output for all LED modules
- _ Electronic charge system
- _ Deep discharge protection
- _ Short-circuit-proof battery connection
- _ Polarity reversal protection for battery

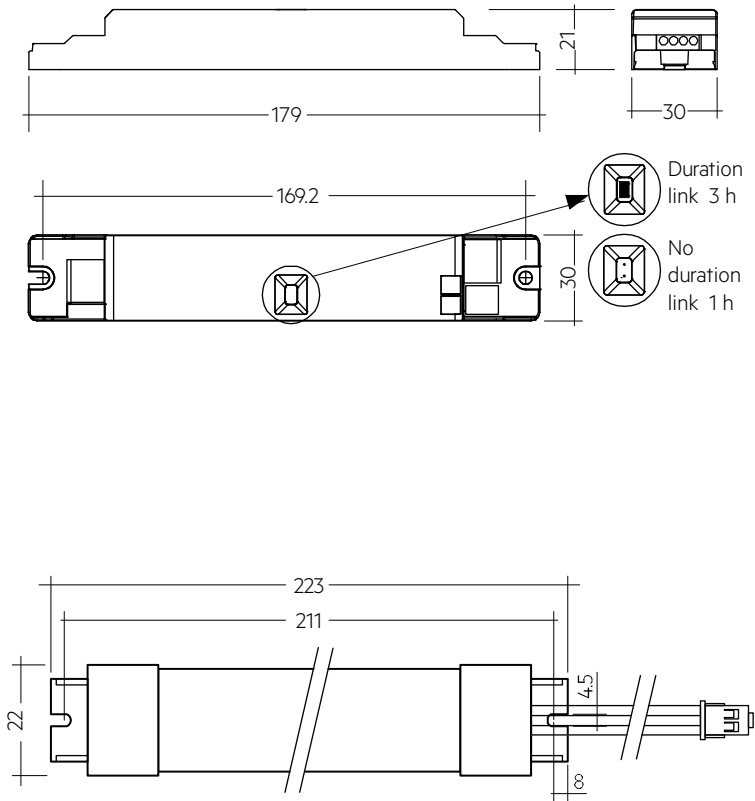
Batteries

- _ High-temperature cells
- _ LiFePO4 batteries with Tridonic LiFeGuard
- _ 18650 cells
- _ 4 – 8 years design life for LiFePO4 batteries
- _ 5 years guarantee for LiFePO4 batteries (conditions at <https://www.tridonic.com/en/int/services/manufacture-guarantee-conditions>)

Website
<http://www.tridonic.com/89801003>


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**Ordering data**

Type	Article number	Rated duration	Packaging, carton	Packaging, pallet	Weight per pc.	Dimensions L x W x H
EMcLED BASIC 202A LiFePO4 50V KIT	89801003	3 h	25 pc(s).	300 pc(s).	0.266 kg	179 x 30 x 21 mm

Technical data

Rated supply voltage ^①	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module EM converterLED 204 50V	10 – 54 V
Output current	Refer to data sheet
Starting time	< 0.5 s from detection of emergency event
Overvoltage protection	320 V (for 48 h)
U-OUT (including open- / short-circuit and double load)	60 V
Max. open circuit voltage	60 V
Battery charging time ^②	24 h
Ambient temperature t _a	-5 ... +55 °C
Max. casing temperature t _c	75 °C
Mains voltage changeover threshold	According to EN 60598-2-22
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Type of protection	IP20
Lifetime	up to 100,000 h
Guarantee (conditions at www.tridonic.com)	5 Year(s)
Dimensions L x W x H	179 x 30 x 21 mm

① These values are only valid for EM converterLED BASIC. For battery values see data sheet EM converterLED BASIC MH/LiFePO4 50V.

② 12 h battery charging time for 2 h emergency lighting function according to AS 2293.

Status indication green LED EM CON

Accessory



- Product description**
- _ A green LED indicates that charging current is flowing into the battery
 - _ 0.3 / 1.0 m cable length
 - _ Plug connection

Website
<http://www.tridonic.com/89800271>



Ordering data				
Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM green, HO 1.0 m CON	89800271	25 pc(s).	200 pc(s).	0.015 kg