

**EM converterPACK PRO slim**

PRO version

**Product description**

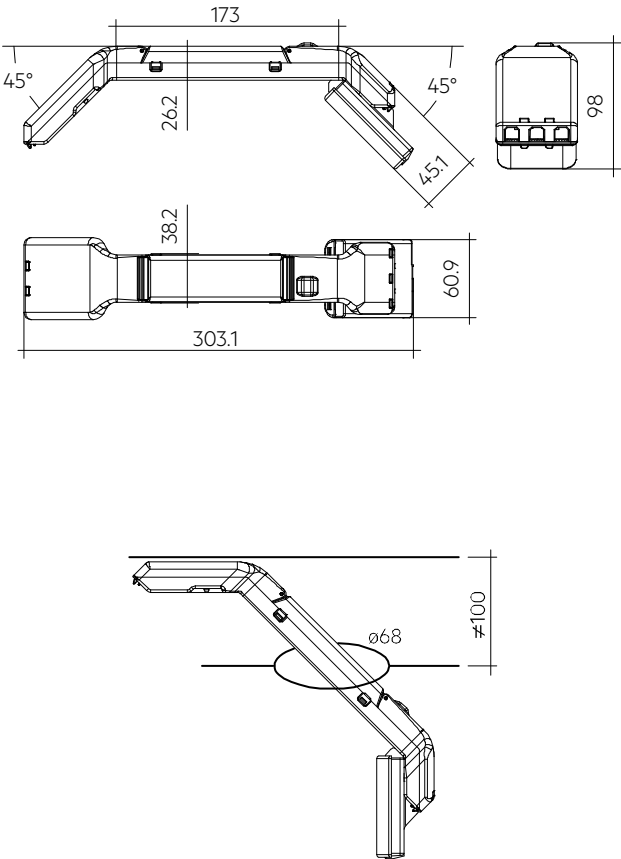
- \_ Emergency lighting LED driver with DALI-2 interface and automatic test function
- \_ For self-contained emergency lighting
- \_ For LED modules with a forward voltage of 10 – 54 V
- \_ SELV for output voltage < 60 V DC
- \_ Strain relief
- \_ Compatible with Tridonic's LLE FLEX modules (ADV, EXC)
- \_ EM = Emergency
- \_ Nominal lifetime up to 100,000 h
- \_ 5 years guarantee (conditions at <https://www.tridonic.com/en/int/services/manufacture-guarantee-conditions>)

**Properties**

- \_ Non maintained operation
- \_ DALI-2 interface for controlled testing and monitoring
- \_ 3 h rated duration
- \_ Compatible with most constant current LED drivers (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
- \_ Two-colour status display LED
- \_ Electronic charge system
- \_ Deep discharge protection
- \_ Short-circuit-proof battery connection
- \_ Polarity reversal protection for battery provided by 3-pole connector
- \_ High-temperature cells
- \_ LiFePO<sub>4</sub> batteries
- \_ 18650 cells
- \_ LiFePO<sub>4</sub>: 4 – 8 years design life
- \_ 5 years guarantee for LiFePO<sub>4</sub> batteries (conditions at <https://www.tridonic.com/en/int/services/manufacture-guarantee-conditions>)
- \_ LiFePO<sub>4</sub> batteries with Tridonic LiFeGuard
- \_ For battery compatibility refer to data sheet, battery selection
- \_ Self-test:
  - \_ Status of the battery
  - \_ Status of the LED
  - \_ Function test
  - \_ Duration test

**Website**
<http://www.tridonic.com/89801156>


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**Ordering data**

Type	Article number	Rated duration	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.	Dimensions L x W x H
EM cPK PRO 232A LiFePO4 50V	89801156	3 h	3	2 pc(s).	252 pc(s).	0.335 kg	303.1 x 60.9 x 98 mm

**Technical data**

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module	10 – 54 V
Output current	Refer to EM converterLED BASIC 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
Ambient temperature $t_a$	5 ... +50 °C
Max. casing temperature $t_c$	80 °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
Rest mode max. number of emergency units	100
Rest mode max. wiring distance	1,000 m
Functional test	Weekly 5s test
Duration test	Yearly 3 h test
Lifetime	up to 100,000 h
Guarantee (conditions at <a href="http://www.tridonic.com">www.tridonic.com</a> )	5 Year(s)
Dimensions L x W x H	303.1 x 60.9 x 98 mm