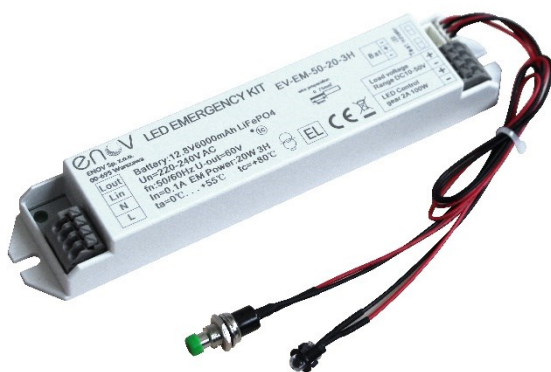


Emergency Battery Kit

Emergency Battery Kit for LED

EV-EM-50 Series



Product Description

- Constant Power output Emergency power supply.
- For LED Module with forward voltage of 10-50 Vdc
- With LiFePO4 Batteries having useful life more than 2 years

Features

- Emergency battery kit with 3 hours battery backup
- Input Voltage: 220-240V AC
- Output Voltage: 10-50VDC
- Output Power: 2.5W, 5W, 7W, 10W, 15W or 20W
- Compatible with dimmable or non-dimmable LED Drivers
- Can be assembled inside the light fitting or remotely installed.
- TÜV Rheinland Certified

Website:
www.enov.pl



Emergency Battery Kit for LED

EV-EM-50 Series

Technical Data

Input

Voltage Range:	220-240VAC
Frequency Range:	50-60 Hz
Power Factor:	PF>0.55
Input Power	4.5W
AC Current:	30mA/240VAC
Inrush Current (Max):	1.5A/240VAC

Output

DC Voltage:	10-50 VDC
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Protection

IP Rating:	IP20
Max Casing Temperature:	75°C
Ambient Temperature:	0-55°C

Environment:

Working Temp:	-25°C to 50°C @ Full load
Working Humidity:	10-95% RH, non-condensing
Storage Temp Humidity:	-40°C to 80°C, 10-95% RH
Vibration:	10-500Hz 2G 12min./1 cycle

Safety & EMC

Safety Standards:	EN61347-2-7, EN61347-2-13
Withstand Voltage:	I/P- O/P:2KVAC
Withstand Time:	60s
EMI Conduction & Radiation:	Compliance to EN IEC 55015:2019
EMS Immunity:	EN55015, EN61000-3-2, EN61000-3-3

Others

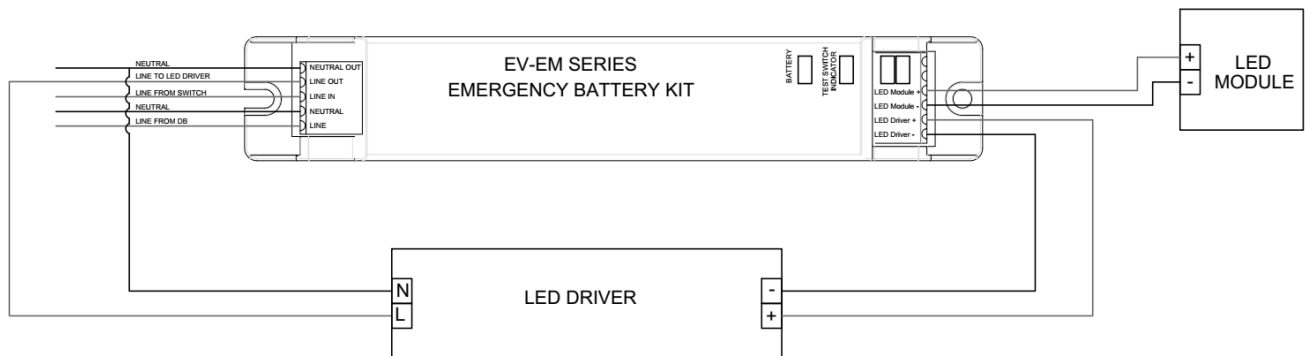
MTBF at 25°C Ambient Temperature:	50000hrs Minimum
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Item Code	Battery	Emergency Power	Emergency Duration	Charge Current	Charge Time
EV-EM-50-20-3H	LiFePO4 12.8V 6000mAh	20W	3 Hours	400mA	16 Hours
EV-EM-50-15-3H	LiFePO4 12.8V 4500mAh	15W	3 Hours	400mA	16 Hours
EV-EM-50-10-3H	LiFePO4 6.4V 6000mAh	10W	3 Hours	300mA	16 Hours
EV-EM-50-7-3H	LiFePO4 6.4V 4000mAh	7W	3 Hours	300mA	16 Hours
EV-EM-50-5-3H	LiFePO4 6.4V 3000mAh	5W	3 Hours	300mA	16 Hours
EV-EM-50-2.5-3H	LiFePO4 6.4V 1500mAh	2.5W	3 Hours	300mA	16 Hours

Emergency Battery Kit for LED

EV-EM-50 Series

Installation / wiring



The indicator light will turn off under the following conditions:

1. When the power is off, the light enters the emergency mode
2. Normal Function: When the power is on, the battery is disconnected
3. After the power is connected, disconnect the power, and reconnect the battery (Note: in this case, please reset the AC power supply)

Requirements for LED Control gear:

1. LED driver the maximum output voltage shall not exceed 60V and the maximum current shall not exceed 1.5A/1A/0.5A.

Requirements for wiring wires:

1. Wire diameter range: 0.5-1.5 square meters.
- Crimping buckle can be fastened, wire diameter range: maximum 5.5mm, minimum 3mm.

Approvals



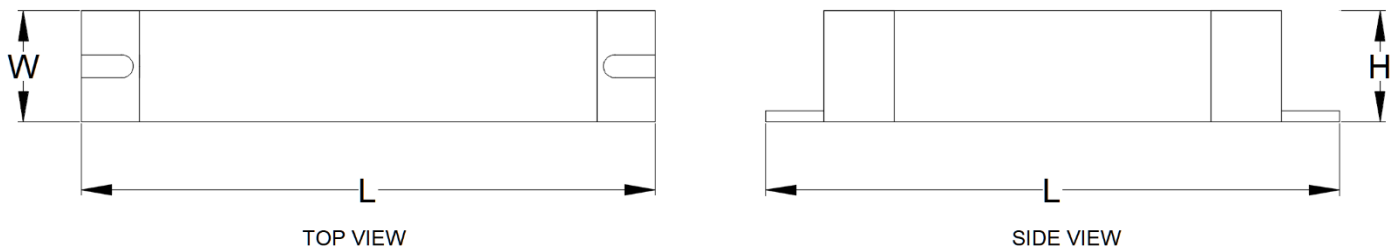
Emergency Battery Kit for LED

EV-EM-50 Series

Inverter Dimension:

Item Code	L (mm)	W (mm)	H (mm)
EV-EM-50-20-3H	165	31.5	20
EV-EM-50-15-3H	165	31.5	20
EV-EM-50-10-3H	165	31.5	20
EV-EM-50-7-3H	165	31.5	20
EV-EM-50-5-3H	158	30	20
EV-EM-50-2.5-3H	158	30	20

Battery Dimension:



Item Code	Battery	L (mm)	W (mm)	H (mm)
EV-EM-50-20-3H	LiFePO4 12.8V 6000mAh	300	36	38
EV-EM-50-15-3H	LiFePO4 12.8V 4500mAh	300	36	38
EV-EM-50-10-3H	LiFePO4 6.4V 6000mAh	235	36	19
EV-EM-50-7-3H	LiFePO4 6.4V 4000mAh	170	36	20
EV-EM-50-5-3H	LiFePO4 6.4V 3000mAh	170	36	20
EV-EM-50-2.5-3H	LiFePO4 6.4V 1500mAh	105	40	20

Standards

- EN 61347-2-7
- EN 61347-2-13
- EN 61347-1
- EN 61547
- EN 61000-3-2

Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture