

LEMLT-LEML

EMERGENCY LIGHTING KIT FOR LED INSTALLATION GUIDE



The intermittent operation emergency lighting inverters are designed to power LEDs with normal mains voltage (220-240V - 50 / 60Hz), they can be connected for permanent or non-permanent operation, with any type of electronic power supply for LEDs. All models are equipped with hermetic LiFePO4 accumulators capable of guaranteeing high yields even at high temperatures. The inverters can be inserted inside ceiling lights, modules or raceways, thus allowing you to enable emergency, quickly and easily, any light point in the place where it is needed. The electronic devices are built in compliance with the standards: EN61347-2-13, EN61347-2-7, EN61547, EN55015, EN60598-2-22, EN61000-3-2.

IMPORTANT: ALWAYS READ THE PRESENT INSTRUCTION LEAFLET

- Make the inverter connections according to the diagrams shown here.
- Connect the inverter to battery.
- Place the battery as far as possible from heat sources (especially not close to the inverter or the LED plate).
- The battery, once installation is complete, must be recharged for at least 12 hours for the system to be able to operate with the declared autonomy.
- The system must be powered only with the battery supplied, do not associate with external charging devices.
- Periodically (every three months) carry out at least one battery discharge and recharge cycle to obtain maximum system efficiency.
- Before any maintenance operation, disconnect all power supplies, including the battery.
- Do not disperse the materials contained in the product into the environment.
- Keep this instruction sheet for any further consultation.

ATTENTION: this system is intended exclusively for the use for which it was designed and built. Installation must be performed following the instructions provided in this leaflet. Any other use is to be considered improper and therefore dangerous; the manufacturer declines all responsibility for any damage to persons, animals or things due to the above.

TECHNICAL CHARACTERISTICS:

- Supply voltage : **220+240V - 50/60Hz**
- Supply current: **20mA - cosφ 0.6**
- Max case temperature: **65°C**
- Ambient temperature: **5+50°C**
- Recharging time: **12 h**
- Terminals max connection size: **1.5mm²**

- EMLT6061-EML6061 are connectable to power supply with Vmax and I max at the output **60V / 1050mA**

- EMLT20061-EML20061 are connectable to power supply with Vmax and I max at the output **400V / 900mA**

- Charging device with supply is reinforced insulation able to recharge the battery normally after the test in clause 22.3 of the CEI EN 61347-2-7.

LEMLT6061-LEML6061

DURATION	V LED IN EMERGENCY	I LED IN EMERGENCY
1h	10-54 V	440-80 mA
3h	10-54 V	190-33 mA

LEMLT20061-EML20061

DURATION	V LED IN EMERGENCY	I LED IN EMERGENCY
1h	60-200 V	76-20 mA
3h	60-200 V	30-8 mA

ATTENTION:

- Do not stock battery and kit connected together
- Keep the battery not connected to the kit until the final installation of the system (luminaire installation).
- To not cause led damage, please connect following this order:
 - 1- Led Source
 - 2- Battery cable
 - 3- Mains connection
- Do not disconnect and connect the led source during emergency operation.

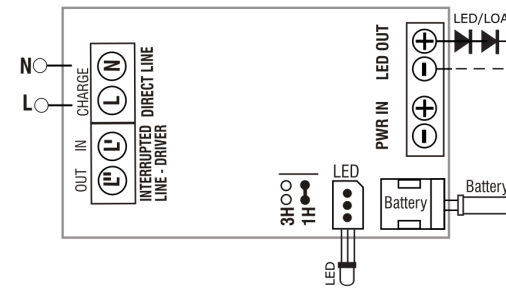
BATTERY INFORMATION

- Battery **LiFePO4** **6,4V-1,5Ah**
- Recharging time: **12h**
- Maximum discharge current: **1000mA**

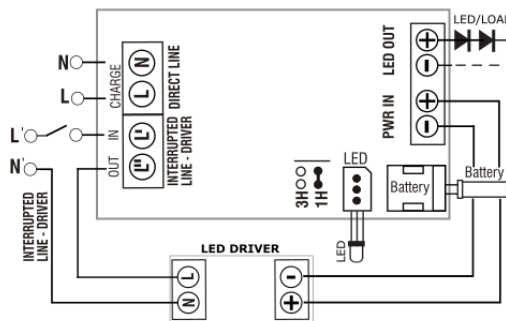
WIRING

- **LED source out** : connect LED source to the OUT terminal (always respect polarity).
- **Battery**: connect battery to BATT. terminal
- **Direct Line (Charge)**: connect the L - N terminals to the mains which must never be interrupted (battery recharging circuit). If the mains power fails or falls, the emergency automatically starts.
- **Interrupted Line maintained**: connect as shown in the wiring diagram serie LEML o serie LEMLT
- **External driver LED connection - maintained**: Connect the terminal (+) and (-) PWR to external driver (always respect polarity).
- **LED indicator**: shows the presence of mains and battery in charge. It must always remain connected to device in a visible place outside near the lamp qualified for the emergency.
- **Jumper**: possibility to select 1h or 3h of autonomy and the type of Ni-Mh or LiFePO4 battery

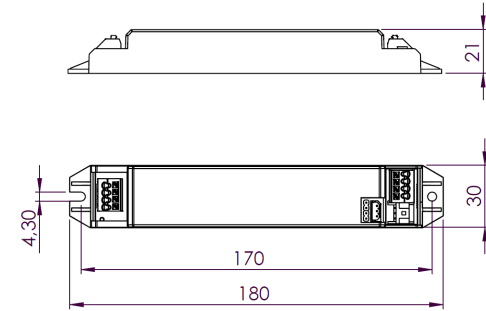
- NON MAINTAINED (EMERGENCY ONLY)



- MAINTAINED WITH EXTERNAL ELECTRONIC DRIVER

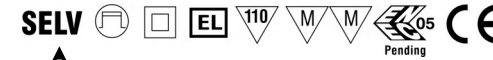
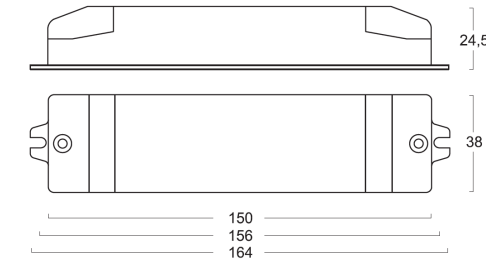


LEMLT6061, LEMLT20061



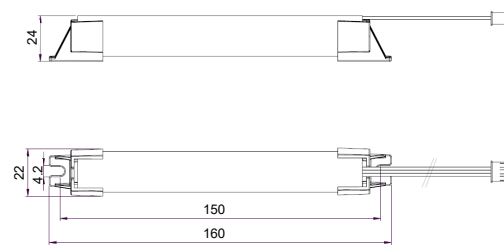
ONLY LEMLT6061

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LITHIUM IRON PHOSPHATE BATTERY (LiFePO4)



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Made in Italy

