

## VL Low Voltage Constant-current Emergency kits

### Production Features:

- LED emergency kits, inverter、 batteries , are installed in the metal box
- Suitable to LED spotlight,LED downlight,LED panel, LED tube with external driver from 1w to 100w
- LED indicator, test switch are equipped, easy to know the work state,test if the lamp have proper functioning
- Batteries are installed in the metal box,capacity of battery control the emergency time.We can use different capacity to control different emergency time,normally emergency time is 1/2/3 hours
- The batteries are charged when AC work;when AC cut off,inverter make the lamp go into the emergency state in one second,the batteries will drive the lighting through the inverter.When batteries are charged,led indicator work,when emergency state and bad time,led indicator go off.The emergency kits operate from -20 degree to 50 degree
- Please install the emergency kits by the wiring diagram.
- User can cut off AC to test the work state of emergency kits
- User can connect on/off switch to control the lamp with emergency kits.
- 8IN8OUT design,Constant current mode,Deep discharge protection
- According to EN60598,EN55015

### Product technical Data:

#### Emergency kits for led lighting with external driver

- Input Voltage:AC 85V-277V(+/-10%)
- Batteries: 12v (Different emergency time &power)
- Output voltage:DC 12-70V 50-60HZ(Designed by the voltage of lighting)
- Emergency currect:100mAh/250mAh/300mAh/400mAh/500mAh(Customer design)
- Lighting source: Spot light downlight, panel, LED tube with external power supply
- Emergency time: 1/2/3 hours
- Size=155\*30\*40mm(inverter) 250\*25\*50mm(battery)
- Normal function Indicating LED Equipped
- Emergency Function Testing Device Equipped
- Battery Protection Device Equipped
- LED Driver Not Included
- Operating Temp 0 ~ 55 °C
- Start-up Charging Time 24 hours
- Weight=1500g/set

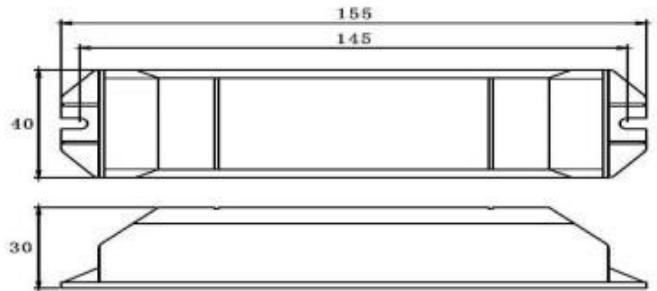
Wiring Diagram

**WIRING DIAGRAM**

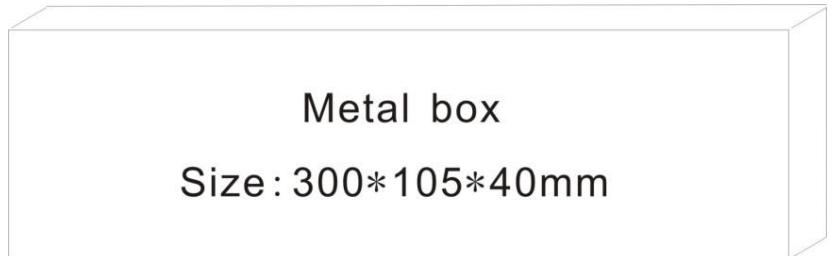


Size for inverter

**CASE DIMENSION**



Size for Metal box



Note: You can choose to equip the metal box or not

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Emergency modules for LED lighting

Led indicator and test switch

Meeting room



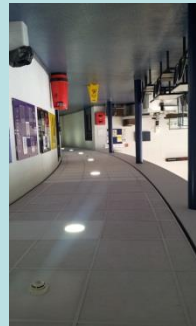
Restaurant



Hotel



School



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## Details:

- Please make correct connection by the Lighting model
- Connect to the lighting and driver, L,N,SL.Connect the batteries to the inverter.
- When AC on,the led indicator work,then the connection is right
- If lighting don't work,please cut off AC,check the tab on the inverter,change the connection way,then repeat the third step
- When connection is right,cut off AC,the light will work by batteries

## Batteries Technical Data:

- Voltage:12v
- Capacity:4500MAH(according to the emergency time and the emergency power)
- Please charge batteries over 24 hours when the first time,we have over-charge Protection.The charge currect is 0.05c
- Please change the batteries after 3 years
- Please take care of batteries,dont push it into the water,fire,pay attention to the safety

## Attention:

- When lighting turn dark, maybe the batteries have no power, please connect to AC and charge batteries
- Batteries are charged by 0.05c,please charge over 24hours,and batteries will operate well after a long-time charging
- Although the emergency kits have open circuit protection function,please don't take off the lighting when test
- ON/OFF switch SL only control AC light, it won't affect emergency light
- If you have any question,please contact us

