LiFePO4 Battery Precautions

Lower temperature limit for LiFePO4 battery is 0^o C to 45^o C

Wires coming out from the battery should never be shorted.

Check the battery terminal voltage before its installation in the system, if the battery voltage is less than 8V, then charge the battery with external LiFePO4 charger.

DO NOT charge the battery with charger voltage greater than 14V DC and current limit greater than C/5. Where 'C' is the total Ah capacity of the battery.

During external charging connect the battery charger with the correct polarity of the terminals respectively

Handle the battery carefully to avoid the free fall, vibration, puncture, penetration by sharp object, crushing, hammering of LiFePO4 battery.

Keep the battery either in horizontal or vertical position only.

Ensure the LiFePO4 battery is connected only with the battery charger, otherwise battery will be damaged.

The LiFePO4 battery must be connected first to the luminaire followed by connection to the PV panel. If PV panel is connected first, ensure that the battery terminals are not shorted, which will damage the system.

Sytem Precautions

Ensure that the system/panel is not mounted under shadow.

Do not cut any wire, preferably use terminal block or junction box for any connection or additional cable length.

Battery connections are done as per the wire's label and Battery terminal's marking

Panel connections are done as per the wire's label and panel terminal's marking

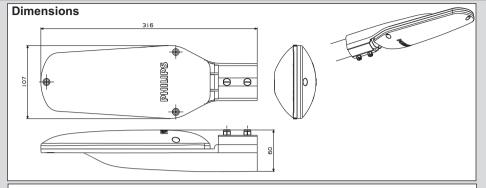
Used proper washers, spring washers and nuts as mentioned in this booklet at all the places

System mounted on the pole and Panel oriented as specified for your geographic location

Philips Lighting

BRP049

Solar Street Lighting Luminaire



Type : BRP049

Light Source : LED's Voltage : 12V DC

IP Classification : Luminaire are IP-65

Net Weight : 0.8 kg Max. Projected Area : 0.03 m²

Application : Outdoor use only

Solar LED Street Lighting System

Mounting position : Horizontal Application height : Upto 4-6m Pole Outer Diameter : 32-40mm



