

NexusLED®

Simple is Better



OUTDOOR LIGHTING
Solar LED Floodlight

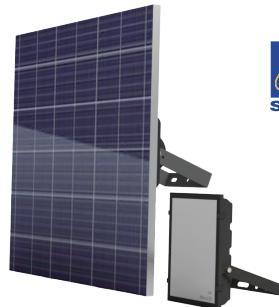
Sonar LED Floodlight

Solar Energy System provides the whole range of applications for floodlight, bulb, linear light or others suitable with DC input supply.



Application areas

- Sign board lights
- Area Lightings
- Compound Lightings
- Tunnel Lightings



Product Specifications

Battery Type: LiFePo4

Depth Of Discharge DOD: < 80%

Luminaire Efficacy Rating: >150lm/W

Color Temperature: 3000K - 6500K

Color Rendering Index (CRI): >70

Beam Angle: 120°

Charge/Discharge Temperature: 0° ~ 60°C/-20° ~ 60°C

Storage Temperature: -20°C ~ +45°C

Working Mode: 12hrs (4hrs - 100%, 2hrs - 60%, 6hrs - 40%)

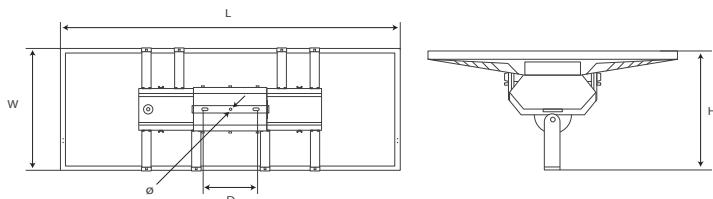
Charging Time: 4 ~ 4.5hrs direct sunlight

Autonomy Day: 2 consecutive rainy days

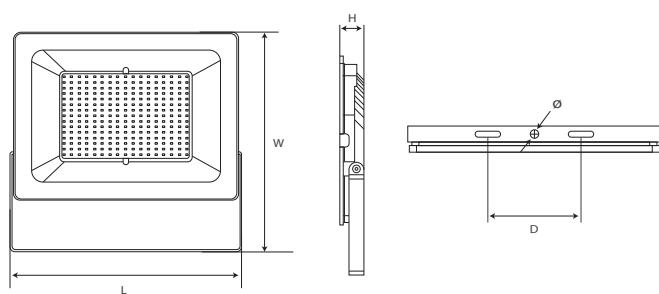
IP Rating: IP66

| Model | 30W-40W | 50W-60W | 70W-90W | 100W-120W | 130W-150W |
|---------------------------------|-------------|-------------|-------------|-------------|--------------|
| Battery | 12.8V, 66AH | 12.8V, 90AH | 25.6V, 66AH | 25.6V, 90AH | 25.6V, 114AH |
| Mono PV Module Power | 18V, 120W | 18V, 150W | 36V, 200W | 31V, 250W | 37V, 300W |
| Luminaire Efficacy Rating (LER) | >4,500 lm | >7,500 lm | >10,500 lm | >15,000 lm | >19,500 lm |
| Recommended Pole Height | 4m ~ 6m | 5m ~ 8m | 6m ~ 9m | 7m ~ 10m | 8m ~ 12m |
| Recommended Pole Distance | 15m ~ 20m | 18m ~ 23m | 20m ~ 25m | 23m ~ 28m | 25m ~ 30m |
| Weight | 30kg | 38kg | 46kg | 50kg | 60kg |

Dimension



| Size | 30-40W | 50-60W | 70-90W | 100-120W | 130-150W |
|------|--------|--------|--------|----------|----------|
| L | 1010mm | 1190mm | 1500mm | 1870mm | 2194mm |
| W | | | | 670mm | |
| H | | | | 400mm | |
| Ø | | | | 12mm | |
| D | 160mm | | | 300mm | |



| Size | 30-40W | 50-60W | 70-90W | 100-120W | 130-150W |
|------|--------|--------|--------|----------|----------|
| L | 205mm | | 300mm | | 360mm |
| W | 193mm | | 258mm | | 332mm |
| H | 28mm | | 41mm | | 42mm |
| Ø | | | 8mm | | 13mm |
| D | 104mm | | 144mm | | 150mm |