

# HIGHLIGHT SP-NALF



The SolarPath HIGHLIGHT SP-NALF™ is the premier LED solar illumination technology in its class today. Ultra-bright/High Intensity LED lighting means a total lighting solution for any need. This product has both a solar engine and a street light. The SP-NALF™ battery and control is on the LED head which allows this product to be used for parks, roads, path. Once the product is installed, it can be controlled via a remote control.



## Key features:

- Low installation and maintenance costs.
- IP66 Rating.
- High performance 160lm/w.
- Light dimming engine.
- Led's operating life time over 100,000 hours at maximum output.
- Dedicated optical lens per LED for enhanced spread and uniformity.
- LED strings shunt protection.
- Ideal for solar or energy saving electrical applications.
- Aluminum housing for efficient heat dissipation

## Technical specifications

|                                    |   |   |
|------------------------------------|---|---|
| Solar Module Parameters            | Type<br>Power   | High-efficiency Monocrystalline Silicon<br>Up to 230W                   |
| Solar Charge Controller Parameters | Type  | MPPT (Maximum Power Point Tracking), infrared solar charging controller |
| Lithium-ion Battery Parameters     | Type  | LiFePO4 (lithium-ion ferrous phosphate)                                 |
|                                    | Capacity  | Up to 60AH  |
| LED Light Parameters               | Light Source Power  | Up to 80W   |
|                                    | Lamp Rated Total Luminous Flux                                    | Up to 12,800LM  |
|                                    | Luminous Efficacy   | 160lm/w   |
|                                    | CCT (Correlated Color Temperature)                                | 2,700K-6,500K/Amber   |
|                                    | Color Rendering Index (CRI)                                       | ≥ 75  |
| Control Modes                      | 1. Light control 2. Timing control                                |   |
| Operation profiles                 | Depend on customer request and solar radiation.                   |   |
| Lighting Material                  | Die-casting Aluminum  |   |
| Extended Application Option        | Wireless Remote controller  |   |
|                                    | GPRS Integrated Management System( Remote control and monitoring) |   |
| Product size                       | light body  | Depend On LED power   |
|                                    | solar panel   | Depend On Solar Panel wattage   |
| Net weight                         | light body  | Depend On LED power   |
|                                    | solar panel   | Depend On Solar Panel Wattage   |

## Uses and Applications Guide

|                  |   |
|------------------|---|
| Mid-size roads   | ● |
| Streets lighting | ● |
| Parking lots     | ● |
| Boardwalks       | ● |
| Farms            | ● |
| Public parks     | ● |
| Private gardens  | ● |
| Access roads     | ● |
| Walking paths    | ● |

## Ordering Guide: EXAMPLE: HIGHLIGHT-SP-NALF -160W-20W-3-27K -4AH-GR-00

| Model             | Solar Panel | LED Power | Distribution type | LED Color Temp | Battery Options | Body Color                              | Arm                      |
|-------------------|-------------|-----------|-------------------|----------------|-----------------|---|--------------------------|
| HIGHLIGHT SP-NALF | 160W        | 20W       | 3- Type III       | 27K            | 36AH            | GR- Gray<br>*Other colors are available | 1 - Single<br>2 - Double |
|                   | 180W        | 40W       |                   | 30K            | 48AH            |   |                          |
|                   | 230W        | 60W       |                   | 40K            | 60AH            |   |                          |
|                   |             | 80W       |                   | 50K            |                 |   |                          |
|                   |             |           |                   | 65K            |                 |   |                          |
|                   |             |           |                   | A - Amber      |                 |   |                          |



\*Up on request.

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