

KS-A072T4

| SN | Solar & Wind LED Street Lighting System | Product Code / Specs. | Description | Quantity |
|----|---|-----------------------|---|----------|
| 1 | LED street light head for wind-solar hybrid | KS-A072T4 24V | 72*1W LEDs, aluminium alloy housing,IP66 | 1 |
| 2 | Miniature wind driven power generator | KS-A400L 24V | Complete with wind turbine, rotor blade and vertical fin | 1 |
| 3 | Controller | KS24400 | For charging control, protecting battery and turbine. Working with solar energy (≤150W) | 1 |
| 4 | Solar panel and holder | 90W 12V | 120W/12V Monocrystalline silicon / polycrystalline silicon | 2 |
| 5 | Storage battery | 200AH 12V | 200AH 12V Valve regulated lead acid battery | 2 |

Luminaire Technical Parameters

| | |
|--|---------------------------|
| Luminaire Code | KS-A072T4 |
| Input Voltage | DC 20-29V |
| Max input current | DC 2A |
| The max power consumption of the 2 control lines | DC 3MA+3MA |
| LED Consumption | 72W |
| LED Luminous Efficiency | >90Lm/W |
| LED Initial Flux LED | >6480Lm |
| Lamp's Efficiency | 90% |
| Average Illumination @ 6M height | >28LUX |
| Average Illumination @ 8M height | >16LUX |
| Average Illumination @ 10 M height | >9.6LUX |
| Effective Illumination Area @ 6M height | 7.2x21M ² |
| Effective Illumination Area @ 8M height | 9.6x28M ² |
| Effective Illumination Area @ 10M height | 12x35M ² |
| Color Temperature | 4000-5500K |
| Color Rendering Index(CRI) | Ra.75 |
| Light Distribution Curve/Beam Pattern | Bat wing/Rectangular beam |
| Junction Temperature(Tj) | <75℃ |
| Working Environment | -40℃-50℃ |
| IP Rating | 66 |
| Working Life | >50000 hours |
| Lighting Bode & Lampshade material | Aluminum alloy |



LED Solar & wind street light series



Characteristics:

- Switching light on is optically controlled and switching light off is time controlled
- Pole height: 12M, light mounting height: 10M
- If the yearly average wind speed is 3.5m/second, this power generation system can meet the demand to supply the lighting system with electricity 8-10 hours each day averagely
- In rainy days, there is no wind and no sunshine, this power generation system can supply electricity for 3 days constantly