



LiFePO4
Battery



Intelligent
Control



High brightness
LED



Biodiversity
Protection



IP65
Waterproof



Designed
Aesthetically



Remote
Control



Hybrid function
(Solar & Grid)

AIT Solar
LED Street Light

HERMES



HERMES | AIT Solar LED Street Light

HERMES solar-led street light is dedicated to providing continuous and ultra-high brightness output for the main road market. It build-in big capacity of LifePO4 battery pack up to 768WH max whose lifetime could reach to more than 10 years in energy-saving mode, and It equips 64pcs of SMD5050 (5W/led) as lighting engine, it is driven by constant voltage and lower current in order to get superb high luminous output up to 180lm/W. HERMES is a perfect model for poles from 6 meters up to 10 meters.



High Brightness LED

High brightness led enhances visibility and safety while providing energy-efficient



LiFePo4 Battery

Grade A+ Battery cell with high uniformity of internal resistance and charging and discharging.



MPPT Charge Controller

maximizes energy efficiency ensuring longer battery life and consistent illumination without blackout.



Programmable by Remote

The lighting program can be modified anytime by remote control according to customers' requirement.



Robust Design

Robust design of light fixture provides superior durability, corrosion resistance, and heat dissipation.



Hybrid function (Solar & Grid)

Solar energy can be mixed with the power grid to ensure stable operation of street lights under any weather conditions

Key components



Optical lens



LiFePO4 Battery



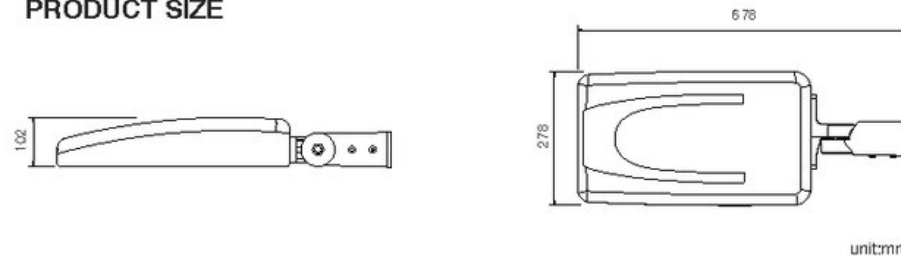
Die-cast aluminum housing



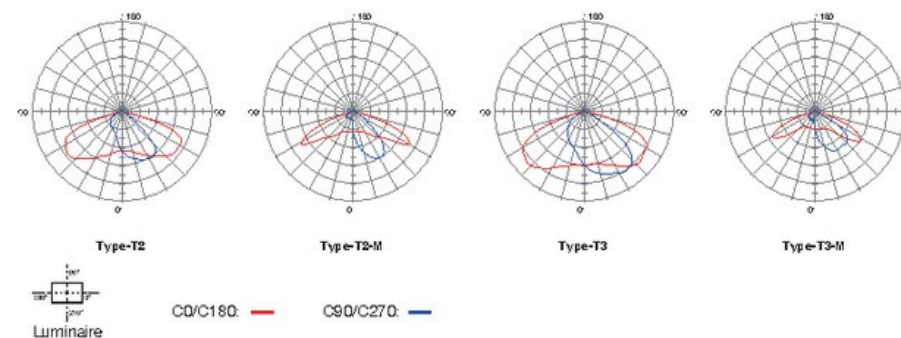
Adjustable installation bracket

Remark: The designs and specifications in this spec sheet are subject to change without prior notice for product improvement.

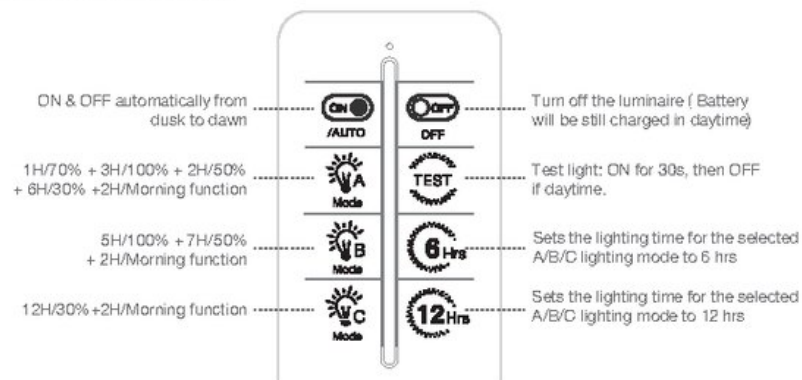
PRODUCT SIZE



LED OPTICS OPTIONAL



REMOTE CONTROL



Note :

1. Turn on switch button in the solar light before use.
2. Default lighting mode: A.
3. Modes A/B/C programs could be changed prior to notice, pls be subject to the sticker at backside of remote.
4. Press OFF to turn off light (Charging will be still functional), Press ON restores last setted mode.
5. 6Hrs/12Hrs : Set duration for current mode (A/B/C). Press mode button (A/B/C) again to reset to default time.

Regular Solar Panel Street Light

60W | 8,800lm



Light Head

| | |
|------------------------|-------------------------------|
| Luminous flux | 8,800lm |
| Peak LED power | 60W |
| CRI | >80 |
| CCT range (dual color) | 3000K / 4000K / 5000K / 6000K |
| LED lifetime | >100,000 hours |
| Light dimension | 678*278*102mm |
| Warranty | 3 years |

MPPT Controller

| | |
|--------------------------|----------------|
| System voltage | 12V |
| Regular solar panel | 200W/18V |
| Vertical solar module | 500W/18V |
| MPPT tracking efficiency | 98% |
| Max load power | 80W |
| Operating temperature | -35 °C ~ 65 °C |
| IP rate | IP68 |

Solar Panel

| | |
|------------------------|-----------------------------------|
| Peak Power | 120W |
| Max. power voltage | 18V |
| Solar cells efficiency | 22.3% |
| Cable & connector | 0.9M solar cable + MC4 connectors |
| Operating Temperature | -40 °C ~ 85 °C |
| Lifetime | >20 years |
| Waranty | 5 years |

LiFePO4 Battery

| | |
|-----------------------|---------------------------|
| Battery type | LiFePO4 6000mA 3.2V 32700 |
| Battery capacity | 538WH 12.8V |
| Battery lifetime | 4000 cycles @ D.O.D 50% |
| Charge mode | C.C + C.V |
| Storage Temperature | +5 °C ~ +35 °C |
| Operating Temperature | -25°C~65°C |
| Warranty | 3 Years |

Regular Solar Panel Street Light

80W | 12,800lm



Light Head

| | |
|------------------------|-------------------------------|
| Luminous flux | 12,800lm |
| Peak LED power | 80W |
| CRI | >80 |
| CCT range (dual color) | 3000K / 4000K / 5000K / 6000K |
| LED lifetime | >100,000 hours |
| Light dimension | 678*278*102mm |
| Warranty | 3 years |

MPPT Controller

| | |
|--------------------------|----------------|
| System voltage | 12V |
| Regular solar panel | 200W/18V |
| Vertical solar module | 500W/18V |
| MPPT tracking efficiency | 98% |
| Max load power | 80W |
| Operating temperature | -35 °C ~ 65 °C |
| IP rate | IP68 |

Solar Panel

| | |
|------------------------|-----------------------------------|
| Peak Power | 160W |
| Max. power voltage | 18V |
| Solar cells efficiency | 22.3% |
| Cable & connector | 0.9M solar cable + MC4 connectors |
| Operating Temperature | -40 °C ~ 85 °C |
| Lifetime | >20 years |
| Waranty | 5 years |

LiFePO4 Battery

| | |
|-----------------------|---------------------------|
| Battery type | LiFePO4 6000mA 3.2V 32700 |
| Battery capacity | 768WH 25.6V |
| Battery lifetime | 4000 cycles @ D.O.D 50% |
| Charge mode | C.C + C.V |
| Storage Temperature | +5 °C ~ +35 °C |
| Operating Temperature | -25°C~65°C |
| Warranty | 3 Years |

Vertical Solar Cylinder Street Light

60W | 8,800lm



Light Head

| | |
|------------------------|-------------------------------|
| Luminous flux | 8,800lm |
| Peak LED power | 60W |
| CRI | >80 |
| CCT range (dual color) | 3000K / 4000K / 5000K / 6000K |
| LED lifetime | >100,000 hours |
| Light dimension | 678*278*102mm |
| Warranty | 3 years |

MPPT Controller

| | |
|--------------------------|----------------|
| System voltage | 12V |
| Regular solar panel | 200W/18V |
| Vertical solar module | 500W/18V |
| MPPT tracking efficiency | 98% |
| Max load power | 80W |
| Operating temperature | -35 °C ~ 65 °C |
| IP rate | IP68 |

Vertical Solar Cylinder

| | |
|------------------------|-----------------------------------|
| Peak Power | 80W |
| Max. power voltage | 6V |
| Solar cells efficiency | 22.2% |
| Cable & connector | 2.5mm ² with Mc4 plugs |
| Operating Temperature | -20 °C ~ +70 °C |
| Lifetime | >20 years |
| Waranty | 5 years |

LiFePO4 Battery

| | |
|-----------------------|---------------------------|
| Battery type | LiFePO4 6000mA 3.2V 32700 |
| Battery capacity | 538WH 12.8V |
| Battery lifetime | 4000 cycles @ D.O.D 50% |
| Charge mode | C.C + C.V |
| Storage Temperature | +5 °C ~ +35 °C |
| Operating Temperature | -25°C~65°C |
| Warranty | 3 Years |

Vertical Solar Cylinder Street Light

80W | 12,800lm



Light Head

| | |
|------------------------|-------------------------------|
| Luminous flux | 12,800lm |
| Peak LED power | 80W |
| CRI | >80 |
| CCT range (dual color) | 3000K / 4000K / 5000K / 6000K |
| LED lifetime | >100,000 hours |
| Light dimension | 678*278*102mm |
| Warranty | 3 years |

MPPT Controller

| | |
|--------------------------|----------------|
| System voltage | 12V |
| Regular solar panel | 200W/18V |
| Vertical solar module | 500W/18V |
| MPPT tracking efficiency | 98% |
| Max load power | 80W |
| Operating temperature | -35 °C ~ 65 °C |
| IP rate | IP68 |

Vertical Solar Cylinder

| | |
|------------------------|-----------------------------------|
| Peak Power | 100W |
| Max. power voltage | 6V |
| Solar cells efficiency | 22.2% |
| Cable & connector | 2.5mm ² with Mc4 plugs |
| Operating Temperature | -20 °C ~ +70 °C |
| Lifetime | >20 years |
| Waranty | 5 years |

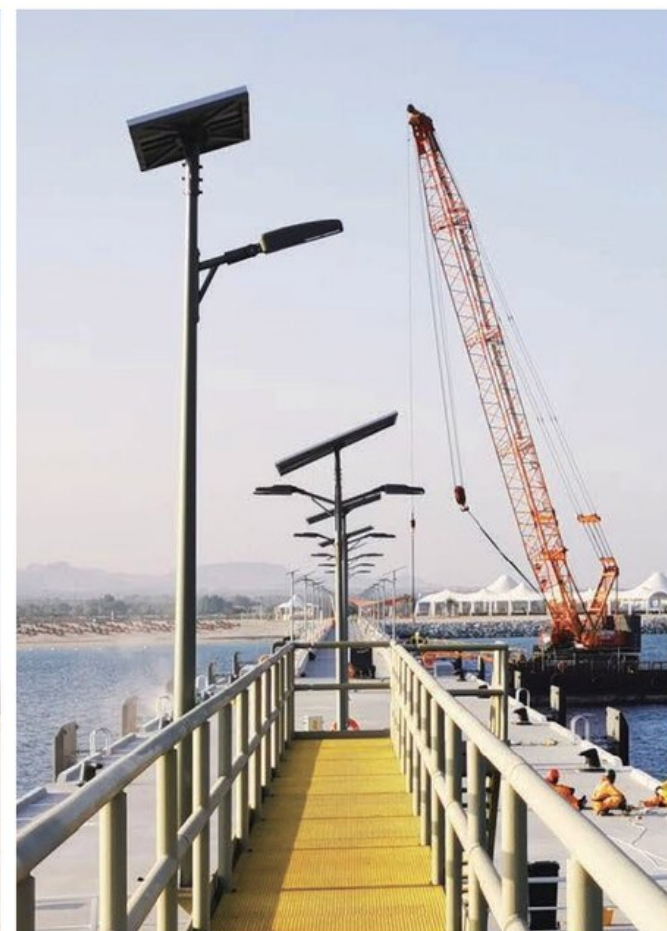
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| | |
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| Charge mode | C.C + C.V |
| Storage Temperature | +5 °C ~ +35 °C |
| Operating Temperature | -25°C~65°C |
| Warranty | 3 Years |

HERMES

AIT Solar LED Street Light

AUROSAS
Excellence of Sustainable Energy



ECOSOLARIS - Sisteme de iluminat solar inteligent

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