HERMES

SOLAR LED STREET LIGHT

20W / 30W / 40W / 80W

LiFePO4 Battery

Intelliegent Control

High brightness LED

IP65 Waterproof

Designed Aesthetically

Hybrid function (Solar & Grid)

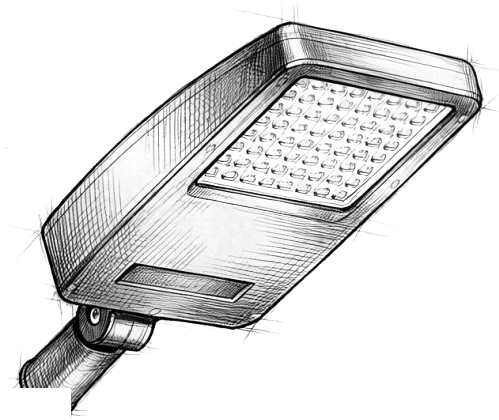
ROZSVÍTÍME SVĚT.cz®
ÚSPORNÉ LED OSVĚTLENÍ

ROZSVÍTÍME SVĚT.cz®
ÚSPORNÉ LED OSVĚTLENÍ

Excellence of Sustainable Energy

HERMES

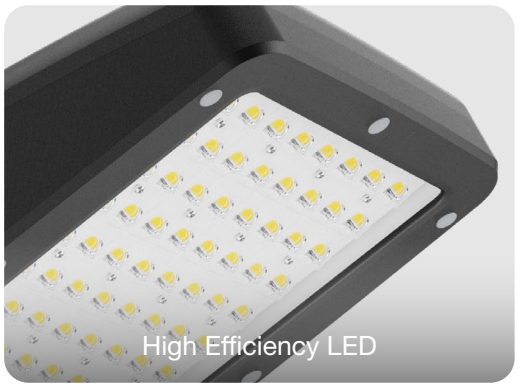
Solar LED Street Light

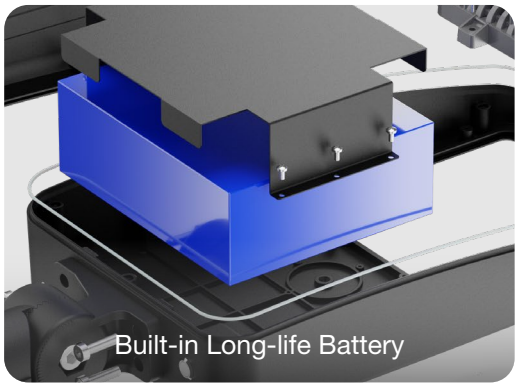


HERMES solar-led street light is dedicated to providing continuous and ultra-high brightness output for the main road market. It build-in big capacity of LifePO4 battery pack up to 768WH max whose lifetime could reach to more than 10 years in energy-saving mode, and It equips 64pcs of SMD5050 (5W/led) as lighting engine, it is driven by constant voltage and lower current in order to get superb high luminous output up to 170lm/W. HERMES is a perfect model for poles from 6 meters up to 10 meters.

HERMES solar LED street light is designed for reliable and energy-efficient roadway and area lighting. The system combines a high-efficiency LED light head, long-life LiFePO4 battery and intelligent MPPT control. Multiple lighting power and battery configurations are available to match different pole heights, lighting requirements and project conditions.

KEY COMPONENTS





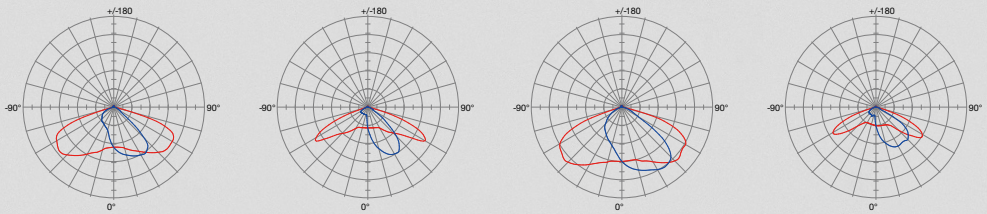
ROZSVÍTÍME SVĚT.cz®
ÚSPORNÉ LED OSVĚTLENÍ

Excellence of Sus ainable Energy

LED OPTICS OPTIONAL

The solar street light is available with multiple optical lens distributions to meet different roadway and area lighting requirements. Precision-engineered LED optics ensure efficient light utilization by directing illumination accurately onto the target area while minimizing spill light and glare. Different beam patterns are optimized for applications such as highways, urban roads, parking areas, pathways, and open spaces, providing uniform illumination, improved visual comfort, and enhanced lighting efficiency. The optimized optical design enables wider pole spacing, reduced dark areas, and lower overall project and installation costs.

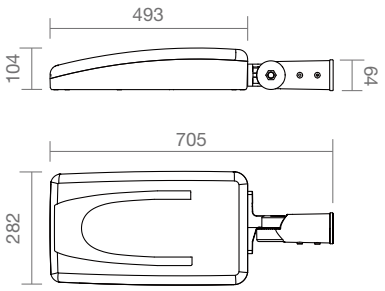
Lens Material	Light Utilization	Protection
PMMA	≥93%	Anti-UV, Anti-yellowing



Type-T2 Type-T2-M Type-T3 Type-T3-M

C0/C180: — C90/C270: —

SPECIFICATION



MODEL	Model / series	HERMES series
	Available power	20W / 30W / 40W / 80W
	LED technology	High-efficiency LED
	LED lifetime	>100,000 hours
	CRI	Ra≥70
	CCT	3000K / 4000K / 5000K / 6000K
	Working Temp.	-30°C ~ +65°C
LIFEPO4 BATTERY	Battery type	LiFePO4
	Available capacity	12Ah / 20Ah / 30Ah / 42Ah / 50Ah
	Cycle Life	4000 cycles @ D.O.D 50%
	Working Temp.	-20°C ~ +65°C
MPPT CONTROLLER	System Voltage	12V / 25.6V configurations
	Charge Current	10A
	Tracking Efficiency	98%
	Working Temp.	-35°C ~ +65°C
OTHER		
	Light Dimension	705*282*104mm
	Pole Diameter	60mm
	Material	Aluminum alloy
	Color	Grey / Black / Customized
	Certification	IP65, IK08, CB, CE, ROHS, LM79, LM80
	Warranty	5 Years

VERTICAL
SOLAR STREET LIGHT

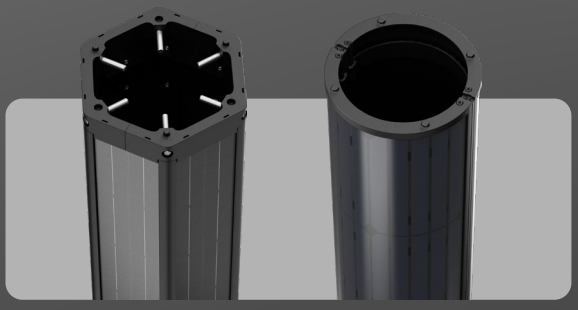
Solar Modules

+

Solar Light Head

Advantages

- 360° Solar Energy Capture
- Better Performance in Cloudy/Rainy Weather
- Dust & Snow Resistant Design
- Higher Wind Resistance
- Modular & Easy Maintenance



POPULAR SOLUTIONS

Solar Street Light + Vertical Solar Modules

40W VERTICAL SOLAR STREET LIGHT

CONFIGURATION OPTIONS

Flexible system design for different poles and projects

SOLAR STREET LIGHT

Lighting power	20W / 30W / 40W / 80W
LED lifetime	>100,000 hours
CCT	3000K / 4000K / 5000K / 6000K
Controller	High Efficiency MPPT
Warranty	5 Years

BATTERY OPTIONS

LiFePO4 capacity	12Ah / 20Ah / 30Ah / 42Ah / 50Ah
Selection	Matched to power & autonomy

HeXagon | VERTICAL SOLAR PANEL

Module design		MC4 Connector | Detachable | Modular
Model	**Q140**	**Q200W**
P.max	140W	200W
Vmp	18V / 36V	18V / 36V
Imp	7.78A / 3.88A	11.1A / 5.56A
Dimension	1560×228×200mm	2060×228×200mm

80W VERTICAL SOLAR STREET LIGHT

MODULAR & SCALABLE

Additional vertical solar modules can be added
according to pole length and required system size.
No fixed module count – flexible project configuration.

Lighting Working Mode (Default mode:A)

In addition to automatic switching on and off , you have the possibility of setting different lighting program easily by the simple remote control according to the needs of the project. Also you can set the light to work for 6 hours or 12 hours.

Mode A

Mode B

Mode C

Applications

INTELLIGENT LIGHTING CONTROL

Flexible lighting profiles and optional motion-based energy saving

OPTIONAL PIR MOTION SENSOR

PIR sensor can be integrated for automatic brightness adjustment based on detected movement. Ideal for roads, paths, parking areas and locations where maximum energy saving is required.

ENERGY-SAVING MODES

Multiple lighting schedules can be configured according to project requirements.

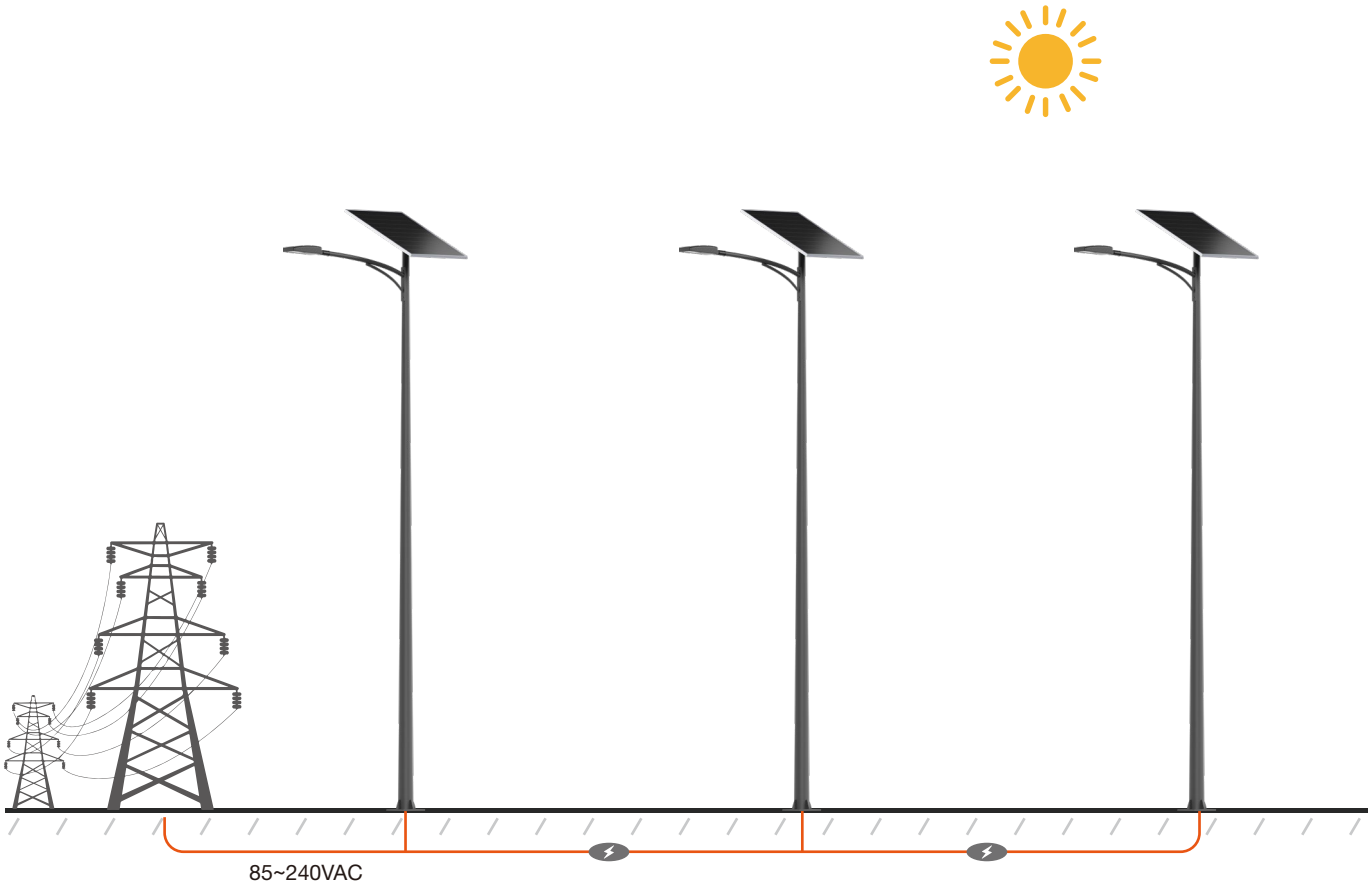
- Mode A: 1H/70% → 3H/100% → 2H/50% → 6H/30% + morning function
- Mode B: 5H/100% → 7H/50% + morning function
- Mode C: 12H/30% + morning function

SMART & FLEXIBLE OPERATION

Lighting output, operating time and energy consumption can be adapted to the application. PIR-based control can further reduce unnecessary night-time consumption while maintaining required illumination.

Hybrid System with 220V Grid Supply (Optional)

The solar streetlight features a hybrid system with AC grid backup, ensuring reliable operation in areas with limited solar radiation or prolonged bad weather. The intelligent control system automatically switches to grid power when battery energy is low and returns to battery operation once fully recharged, guaranteeing continuous, uninterrupted lighting throughout the year.



FEATURES

High reliability

Dual power supply guarantee, no risk of lighting interruption.

Energy saving

Give priority to the use of clean energy to reduce carbon emissions.

More economical

Reduce power consumption and low long-term use cost.

Flexible installation

Suitable for areas where solar energy resources are unstable or require high brightness.

IoT Smart Control Solutions (Optional)

Our solar street lights can be seamlessly integrated with advanced IoT communication modules, allowing each street light to automatically report key data such as operating status, battery health and solar power generation, while supporting remote switching, adaptive dimming and instant fault diagnosis.

Single light control

Wireless Network

Malfunction management

Energy consumption analysis

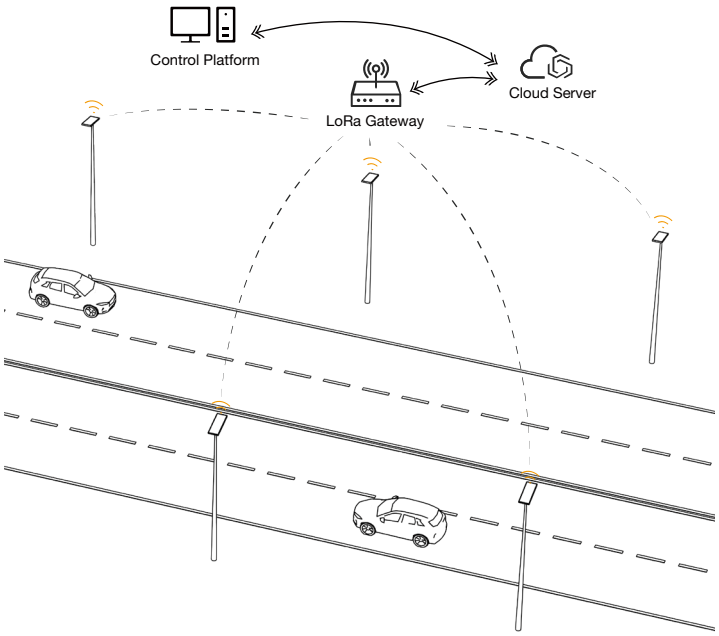
Intelligent monitoring

LoRaWAN®

SMART CONTROL SOLUTION

Advantages

Ultra-low power consumption, ultra-long distance

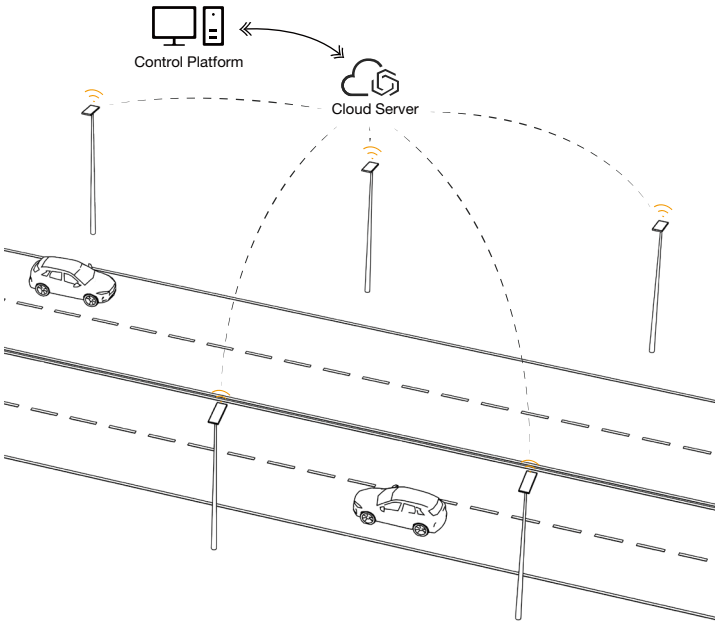


4G Wireless

SMART CONTROL SOLUTION

Advantages

Fast speed, no gateway required, Ultra long distance, High connection stability



Email :
info@rozsvitimesvet.cz

www.ROZSVITIMESVET.cz

ROZSVÍTÍME SVĚT.cz®
ÚSPORNÉ LED OSVĚTLENÍ