

Solar Street Light

Product Catalog 2026

All-in-One · Split-Type · Engineering Grade

OEM & Co-Development Partner | 13+ Years Manufacturing

ABOUT HP POWER

National High-Tech Enterprise | Shenzhen Specialized & Innovative SME

ISO 9001 · ISO 14001 · ISO 45001 Certified

13+ Years Manufacturing Experience | 30+ Proprietary Patents

Full In-House Production: Metal Fabrication, SMT Assembly, QC Testing

Products Exported to 76+ Countries: Africa, Middle East, SE Asia, South America

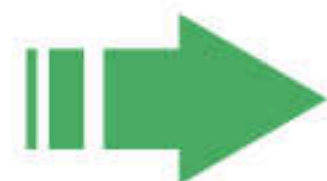
OEM / ODM / Custom Mold Development Partner

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LKX



ALL IN ONE

ADJUSTABLE AND REMOVABLE SOLAR STREET LAMP

PRODUCT DESCRIPTION

1. Premium Heat Dissipation

The radiator is made of ADC12 die-casting + 6063 aluminum, which is treated with thickened anti-corrosion paint.

2. Optimal Light Performance

Direct luminous design for maximum efficiency
High-transmittance PC lens (90%+ light transmission)

3. Easy & Cost-Effective Installation

No additional wiring required-reduces installation costs
Multiple mounting brackets for flexible placement

4. High-Efficiency Lighting

220 lm/W ultra-bright output
Lumileds LED chips for superior performance and longevity

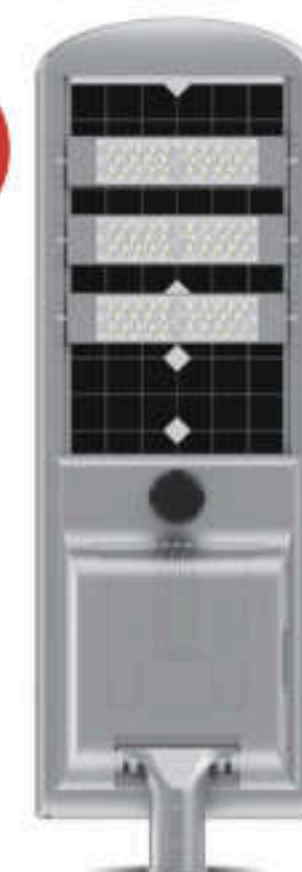
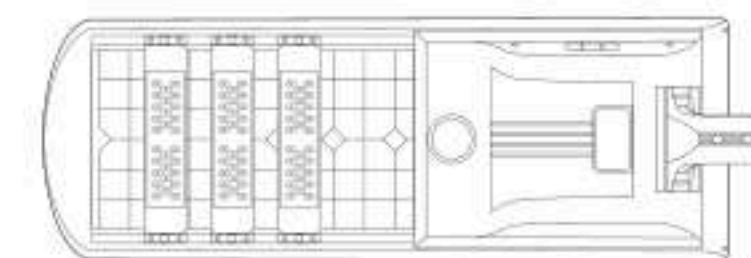
5. Reliable Warranty & Support

3-years warranty for guaranteed quality
Lifetime cost-price maintenance for long-term affordability

ALL IN ONE ADJUSTABLE AND REMOVABLE SOLAR STREET LAMP LKX SERIES



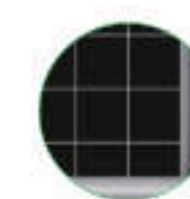
60W
120W



Luminous efficiency
220LM/H



Controller



High Efficiency
Monocrystalline
Solar Panel



Brand new grade
A Lithium LifePO4
battery

Product Parameter

MODEL NUMBER	GH-1	GH-2	GH-3	GH-4
Power	60W	80W	100W	120W
Solar Panel	18V/90W Mono	18V/110W Mono	18V/135W Mono	18V/150W Mono
Battery	Lithium iron phosphate 12.8V, 60AH, 768WH	Lithium iron phosphate 12.8V, 75AH, 960WH	Lithium iron phosphate 12.8V, 90AH, 1152WH	Lithium iron phosphate 25.6V, 60AH, 1536WH
LED	SMD5050 (10 cores), 56PCS	SMD5050 (10 cores), 84PCS	SMD5050 (10 cores), 112PCS	SMD5050 (10 cores), 140PCS
Solar panel size	985*450*4mm	1210*450*4mm	1426*450*4mm	1642*450*4mm
Product Size	1115*480*180mm	1330*480*180mm	1556*480*180mm	1772*480*180mm
Net Weight	13.5kg	16kg	18.5kg	22kg
Material	ADC12+6063 aluminum			
Efficacy	220LM/W			
Protection grade	IP65			
Luminous Flux	13200LM	17600LM	22000LM	26400LM
Controller	MPPT boost controller			
Lamp post adapter	81MM			
Lighting Method	Microwave sensing + segmented time control			
Discharge time	2-3 rainy days			
Installation Height Recommended	6-7m	7-8m	8-10m	10-12m



Case presentation







Remote Control



Save energy



Solar



High brightness



IP65



High capacity battery



Long-life



MPPT



PRODUCT DESCRIPTION

1. Easy Installation & Maintenance

Modular design with replaceable battery compartment for quick servicing.

2. High-Performance Battery

LiFePO4 (Lithium Iron Phosphate) battery supports 3-5 rainy days of backup power. Brand-new cells with 2,500+cycles, delivering 6-8 years of reliable operation.

3. Ultra-Efficient Lighting

200 lm/W high luminous efficacy with 4 cores high efficiency (industry-leading quality).

4. Advanced Solar Charging

Monocrystalline silicon solar panel + MPPT controller for 4-6-hour fast charging.

5. Exceptional Longevity

50,000-hour lifespan.

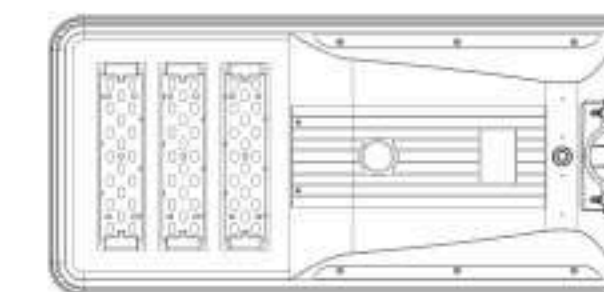
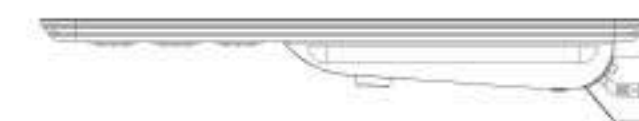
Optical lens: High light transmittance, soft glare-free illumination, and extended durability.

ALL IN ONE SOLAR STREET LIGHT LKH SERIES

30W
120W



LM-80



Luminous efficiency
200LM/W



Microwave
Sensor



High Efficiency
Monocrystalline
Solar Panel



Brand new grade
A Lithium LifePO4
battery

Product Parameter

MODEL NUMBER						
Power	30W	40W	60W	80W	100W	120W
Solar Panel	18V/50W Mono	18V/60W Mono	18V/80W Mono	18V/105W Mono	18V/125W Mono	18V/150W Mono
Battery	Lithium LifePO4 battery 3.2V 72AH(231WH)	Lithium LifePO4 battery 3.2V 100AH(320WH)	Lithium LifePO4 battery 12.8V/30AH(384WH)	Lithium LifePO4 battery 12.8V/45AH(576WH)	Lithium LifePO4 battery 12.8V/60AH(768WH)	Lithium LifePO4 battery 12.8V/75AH(960WH)
LED	4 cores high efficiency smd 3030 96PCS	4 cores high efficiency smd 3030 144PCS	4 cores high efficiency smd 3030 192PCS	4 cores high efficiency smd 3030 240PCS	4 cores high efficiency smd 3030 288PCS	4 cores high efficiency smd 3030 336PCS
Product Size	828*408*150mm	933*408*150mm	1173*408*150mm	1388*408*150mm	1603*408*150mm	2006*408*150mm
Net Weight	10.5KG	11.5KG	13.5KG	16KG	18.5KG	22KG
Material	Die-casting + profile aluminum +1060 pure aluminum					
Efficacy	200LM/W					
Solar panel conversion efficiency	23.8%					
Luminous Flux	6000LM	8000LM	12000LM	16000LM	20000LM	24000LM
Controller	MPPT controller					
Light angle	75°155° / transmittance: >95%					
Cloud platform system management	IoT Control Management System (optional)					
Lighting Method	Intelligent control +Microwave induction + segmented time control					
Discharge time	3-5 rainy days					
Installation Height Recommended	5-6m	6-7m	7-8m	8-10m	10-11m	11-12m



Easy Installation

All-in-one design for hassle-free setup. Adjustable tilt angle (0° to 15°) for flexible column-top or lateral mounting. No trenching required—cable-free installation saves time and costs.



Durable & Long-Lasting

Aluminum die-cast housing with LiFePO₄ battery for extended lifespan. Weatherproof & rugged: IP65-certified against water, dust, and corrosion. Withstands extreme conditions, including 1,000+ hours of salt spray testing.



Suitable for harsh environments

Waterproof, dustproof, corrosion resistant. Extreme weather conditions, IP65 certification, 1000 hours of salt spray testing.



Seamless Integration

Retrofit-ready: Compatible with existing 220VAC infrastructure and utility poles.



Intelligent Performance

Self-diagnostic LED indicators for real-time battery and charging status. Hybrid charging technology ensures full battery capacity year-round, even in seasonal changes.



Smart Energy Savings

Built-in PIR motion sensor detects movement and dims lights when inactive, reducing energy consumption.



Strong seasonal flexibility

Smart hybrid charging ensures full battery capacity every day.





Remote Control



Save energy



Solar



High brightness



IP65



High capacity battery



Long-life



MPPT

PRODUCT DESCRIPTION

1. Easy Installation & Maintenance

Simple setup with replaceable battery compartments for convenient servicing.

2. Long-Lasting Power

Features durable Lithium LiFePO₄ battery technology that provides reliable operation for 3-5 rainy days without sunlight.

3. Extended Battery Life

High-quality battery cells offer 2,500+ charge cycles with a lifespan of 6-8 years.

4. Superior Brightness

Delivers high-efficiency illumination up to 200 lm/W using premium 4 cores high efficiency.

5. Fast Solar Charging

Equipped with monocrystalline silicon solar panels and MPPT controller for optimal energy conversion, achieving full charge in just 4-6 hours.

6. Exceptional Durability

Designed for long-term use with a lifespan of up to 50,000 hours.

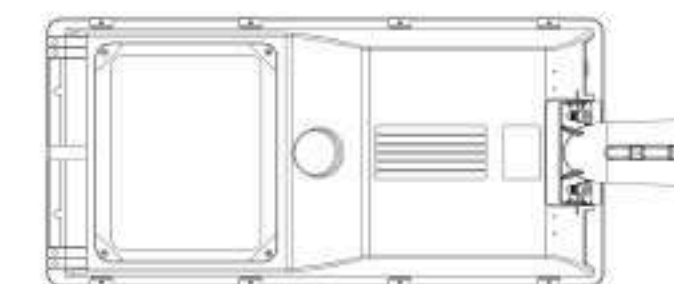
7. Optimal Light Quality

High-transmittance optical lens produces soft, uniform lighting while extending product longevity.

ALL IN ONE SOLAR STREET LIGHT LKL SERIES



15W
40W



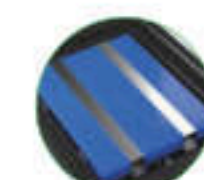
Luminous efficiency
200LM/W



Microwave
Sensor



High Efficiency
Monocrystalline
Solar Panel



Brand new grade
A Lithium LiFePO₄
battery

Product Parameter

MODEL NUMBER				
Power	15W	20W	30W	40W
Solar Panel	18V/35W Mono	18V/35W Mono	18V/70W(35W*2) Mono	18V/70W(35W*2) Mono
Battery	Lithium iron phosphate 3.2V 30AH	Lithium iron phosphate 3.2V 52AH	Lithium iron phosphate 3.2V 75AH	Lithium iron phosphate 3.2V 100AH
LED	SMD3030,192PCS	SMD3030,192PCS	SMD3030,256PCS	SMD3030,256PCS
Product Size	755*305*100mm	755*305*100mm	1375*315*112mm	1375*315*112mm
Lighting Method	100% for the first 4 hours, 50% for the middle 2 hours, and 30% for the last 6 hours			
Material	Die casting Aluminum + PMMA			
Efficacy	200LM/W			
Solar panel conversion efficiency	23.8%			
Luminous Flux	3000LM	4000LM	6000LM	8000LM
Controller	MPPT controller			
Light angle	70°140° / transmittance: >95%			
Cloud platform system management	IoT Control Management System (optional)			
Discharge time	2-3 rainy days			
Installation Height Recommended	4-5m	5-6m	6-7m	7-8m



Easy Installation

All-in-one integrated design for simple setup
Adjustable tilt angle (0°-15°) for flexible mounting
Column-top or lateral mounting options available
No trenching required - completely cable-free installation



Intelligent Performance

Self-diagnostic LED indicators for real-time battery and charging status.
Hybrid charging technology ensures full battery capacity year-round, even in seasonal changes.



Durable Construction

Premium aluminum die-cast housing
Long-life LiFePO₄ battery technology
IP65 certified waterproof and dustproof rating
Corrosion-resistant materials withstand harsh conditions
Tested for extreme weather durability
1,000+ hours salt spray tested for coastal environments



Smart Energy Saving

Built-in intelligent PIR motion sensor
Automatically detects movement and adjusts lighting
Energy-saving dimming when no activity is present



Suitable for harsh environments

Waterproof, dustproof, corrosion resistant. Extreme weather conditions, IP65 certification, 1000 hours of salt spray testing.



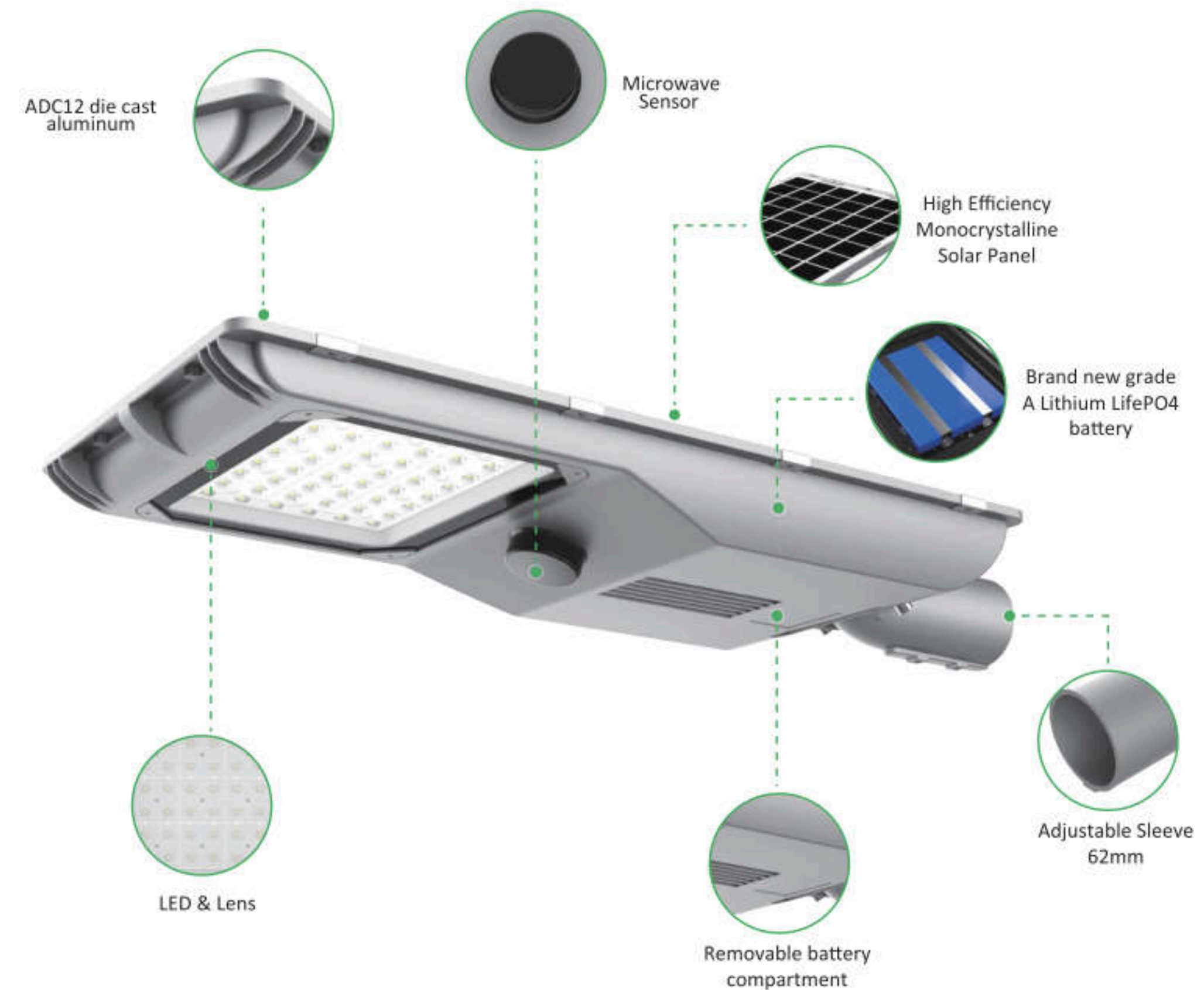
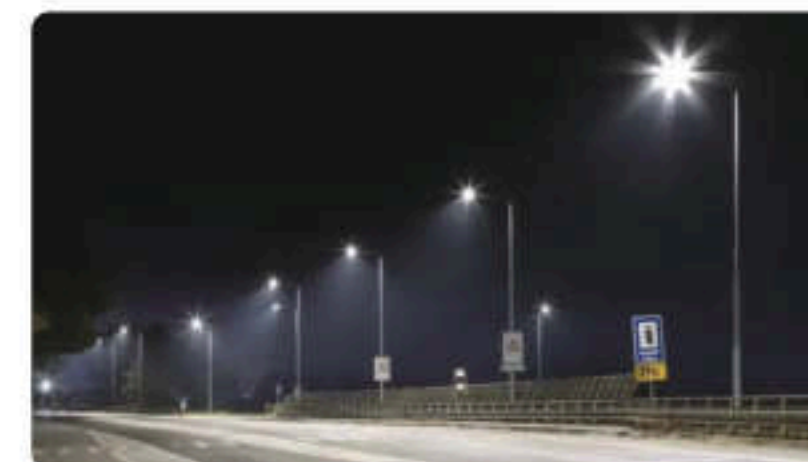
Advanced Technology

Smart battery management system
LED indicators for self-diagnosis of charging status
Hybrid charging technology maintains full capacity
Consistent performance through seasonal changes



Universal Compatibility

Seamless retrofit installation
Compatible with existing 220VAC infrastructure
Works with standard utility poles





Remote Control



Save energy



Solar



High brightness



IP65



High capacity battery

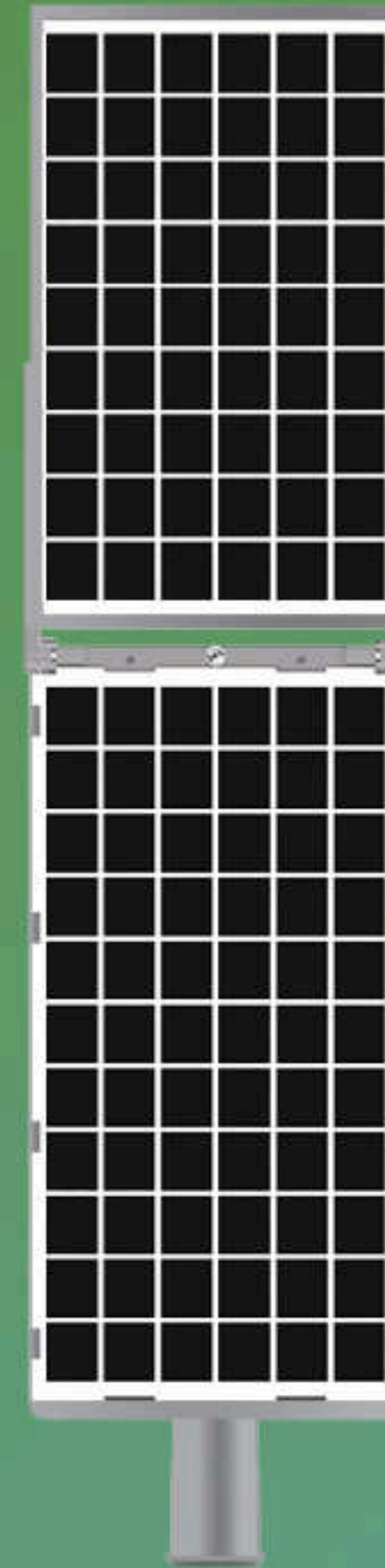


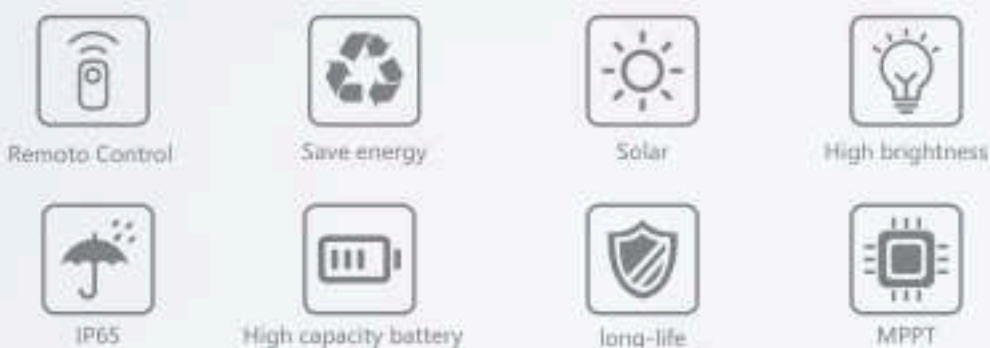
long-life



MPPT

Case presentation





PRODUCT DESCRIPTION

1. Easy Installation & Maintenance

Simple setup with easily replaceable battery compartment
User-friendly design for convenient servicing

2. Long-Lasting Power Supply

High-performance Lithium LiFePO₄ battery
Provides reliable operation for 4-7 rainy days without sunlight

3. Premium Battery Performance

Brand new battery cells with:
• 2,500+ charge cycles
• 6-8 year lifespan

4. Superior Lighting Performance

High-efficiency output up to 200 lm/W
Equipped with genuine 8 cores high efficiency

5. Advanced Solar Charging System

Monocrystalline silicon solar panels
Integrated MPPT controller for fast charging (4-6 hours)
Maximizes energy conversion efficiency

6. Exceptional Durability

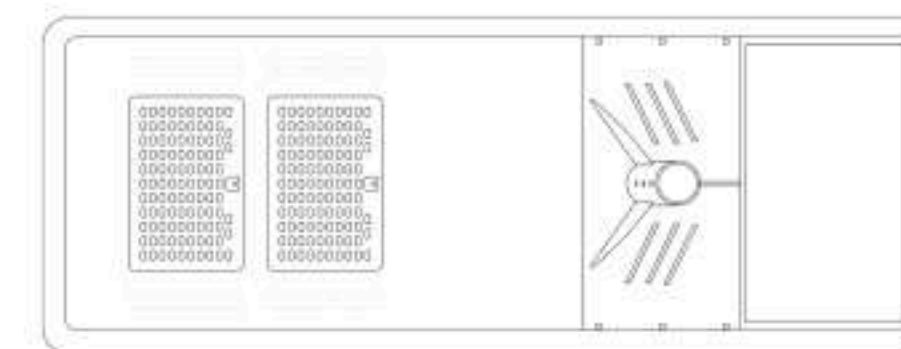
50,000+ hour lifespan
Designed for long-term reliability

7. Optimal Light Quality

High-transmittance optical lens provides:
• Soft, uniform illumination
• Excellent light distribution
• Extended product longevity

ALL IN ONE SOLAR STREET LIGHT LKA SERIES

80W
~
150W



Product Parameter

MODEL NUMBER				
Power	80W	100W	120W	150W
Solar Panel	18V/150W Mono	36V/180W Mono	36V/240W Mono	36V/300W Mono
Solar Panel Size	1130*679*4mm	1370*679*4mm	1790*679*4mm	1940*770*4mm
Battery	Lithium iron phosphate 12.8V 60AH(768wh)	Lithium iron phosphate 25.6V 45AH(1152wh)	Lithium iron phosphate 25.6V 60AH(1536wh)	Lithium iron phosphate 25.6V 75AH(1920wh)
LED	SMD5050, 105PCS	SMD5050, 105PCS	SMD5050, 210PCS	SMD5050, 210PCS
Product Size	1135*686*280mm	1375*686*280mm	1795*686*280mm	1945*778*280mm
Optional lighting mode	Intelligent control + segmented time control			
Material	Die-casting + profile aluminum +1060 pure aluminum			
Efficacy	220LM/W			
Solar panel conversion efficiency	23.8%			
Luminous Flux	17600LM	22000LM	26400LM	33000LM
Controller	MPPT optional			
Light angle	75°155° / transmittance: >95%			
Temperature	0-55°C			
Discharge time	3-5 rainy days			
Installation Height Recommended	6-10m	10-12m	12-14m	12-18m

6063 aluminum material



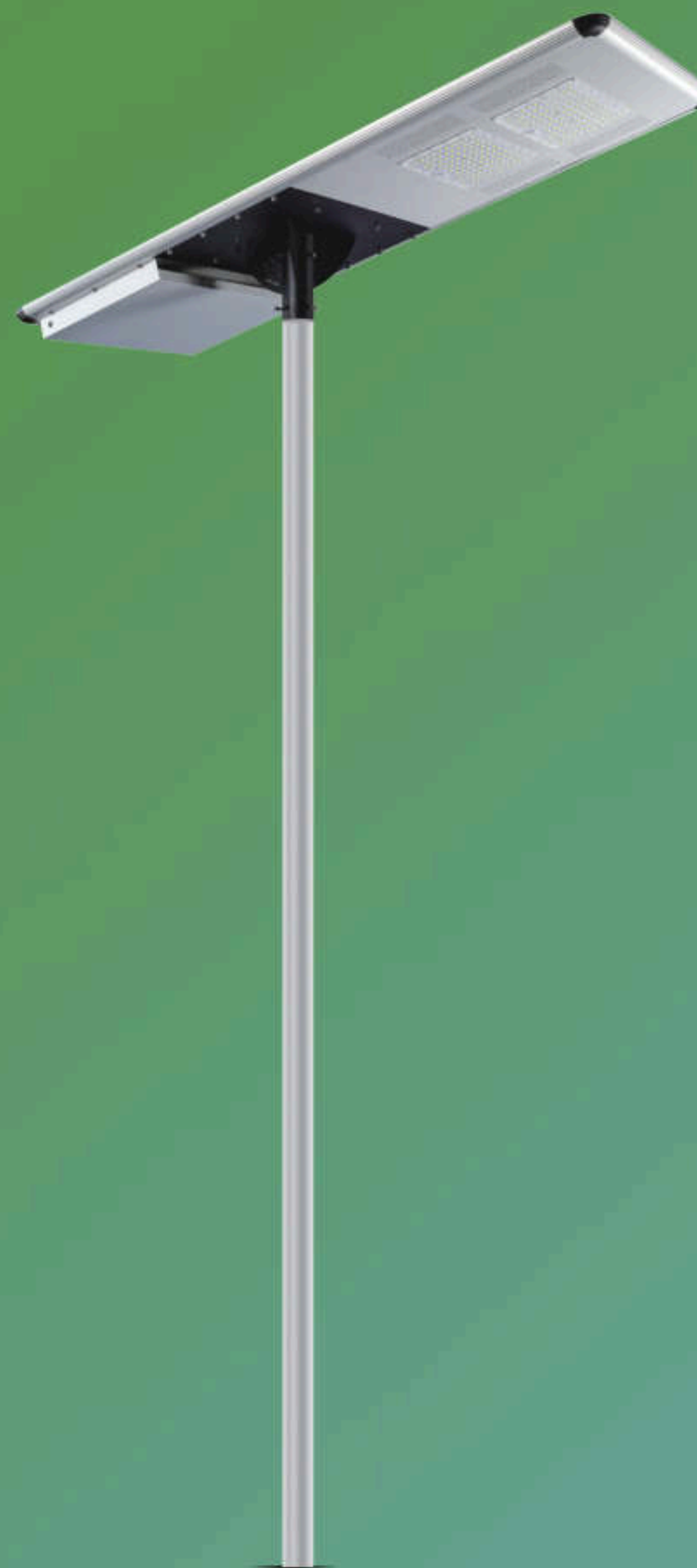
Brand new grade A Lithium LifePO4 battery



LED & Lens



Adjustable Sleeve
60mm 76mm



Easy Installation

All-in-one integrated design for quick setup
Adjustable tilt angle (0°-15°) for flexible positioning
Multiple mounting options: column top or lateral installation
Cable-free design eliminates trenching requirements



Intelligent Performance

Self-diagnostic LED indicators for real-time battery and charging status.
Hybrid charging technology ensures full battery capacity year-round, even in seasonal changes.



Durable Construction

High-quality aluminum die-cast housing
Long-life LiFePO₄ battery technology
IP65 certified protection against water ingress, dust penetration, corrosion
Withstands extreme weather conditions
1,000+ hours salt spray tested for coastal durability



Smart Energy Management

Intelligent PIR motion sensor detects movement
Automatically dims lights when no activity is detected
Significant energy savings without compromising visibility



Suitable for harsh environments

Waterproof, dustproof, corrosion resistant. Extreme weather conditions, IP65 certification, 1000 hours of salt spray testing.



Advanced Technology

Smart battery management system with clear LED status indicators, self-diagnostic capabilities
Hybrid charging technology maintains full battery capacity year-round, consistent performance in all seasons



Universal Compatibility

Seamless retrofit installation
Compatible with existing 220VAC infrastructure
Works with standard utility poles



PRODUCT DESCRIPTION

1. Easy Installation & Maintenance

Simple setup with easily replaceable battery compartment
User-friendly design for hassle-free servicing

2. Long-Lasting Power Supply

High-performance Lithium LiFePO₄ battery
Provides reliable operation for 4-7 rainy days without sunlight

3. Premium Battery Performance

Brand new battery cells with 2,500+ charge cycles, 6-8 year lifespan

4. Superior Lighting Performance

High-efficiency output up to 180 lm/W
Equipped with genuine 4 cores high efficiency

5. Advanced Solar Charging

Monocrystalline silicon solar panels
Integrated MPPT controller for fast charging (4-6 hours)
Maximizes energy conversion efficiency

6. Exceptional Durability

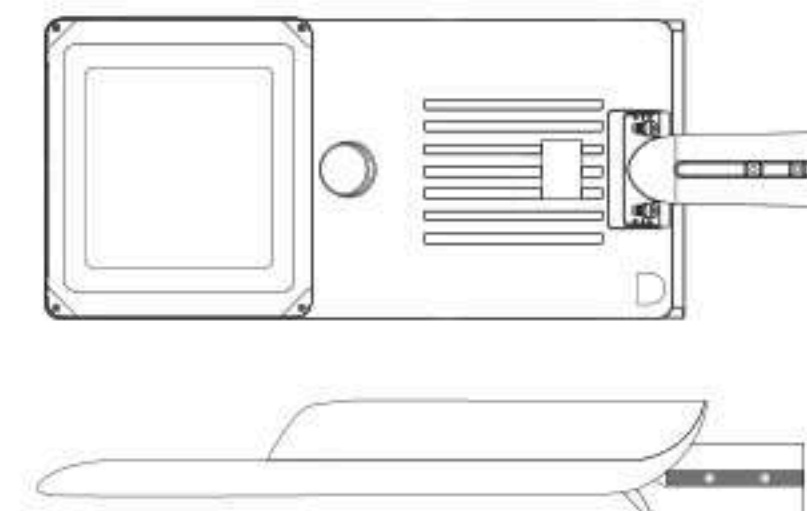
50,000+ hour lifespan
Designed for long-term reliability

7. Optimal Light Quality

High-transmittance optical lens provides soft, comfortable illumination, long-lasting performance and excellent light distribution

SPLIT SOLAR STREET LIGHT LFT SERIES

60W
~
120W



Luminous efficiency
180LM/H



Microwave
Sensor



High Efficiency
Monocrystalline
Solar Panel



Brand new grade
A Lithium LiFePO₄
battery

Product Parameter

MODEL NUMBER				
Power	60W	80W	100W	120W
Solar Panel	18V/120W Mono	18V/160W Mono	18V/200W Mono	36V/240W Mono
Battery	Lithium iron phosphate 12.8V, 45AH, 576WH	Lithium iron phosphate 12.8V, 60AH, 768WH	Lithium iron phosphate 12.8V, 75AH, 960WH	Lithium iron phosphate 25.6V, 45AH, 1152WH
LED	SMD3030, 192PCS	SMD3030, 192PCS	SMD3030, 256PCS	SMD3030, 256PCS
Product Size	810*320*95mm			
Lighting Method	First 4H 100% working, Second 2H 50% working, Third 6H 30% working			
Material	Die casting Aluminum + PMMA			
Efficacy	190LM/W			
Solar panel conversion efficiency	23.8%			
Luminous Flux	11400LM	15200LM	19000LM	22800LM
Controller	MPPT optional			
Light angle	75°*155° / transmittance: >95%			
Temperature	0-55°C			
Discharge time	3 -5 rainy days			
Installation Height Recommended	6-8m	8-10m	10-12m	12-15m



Easy Installation

All-in-one integrated design for quick setup
Adjustable tilt angle (0°-15°) for flexible positioning
Multiple mounting options: column top or lateral installation
Cable-free design eliminates trenching requirements



Intelligent Performance

Self-diagnostic LED indicators for real-time battery and charging status.
Hybrid charging technology ensures full battery capacity year-round, even in seasonal changes.



Durable Construction

High-quality aluminum die-cast housing
Long-life LiFePO₄ battery technology
IP65 certified protection against water ingress, dust penetration, corrosion
Withstands extreme weather conditions
1,000+ hours salt spray tested for coastal durability



Advanced Technology

Smart battery management system with clear LED status indicators, self-diagnostic capabilities
Hybrid charging technology maintains full battery capacity year-round, consistent performance in all seasons



Suitable for harsh environments

Waterproof, dustproof, corrosion resistant. Extreme weather conditions, IP65 certification, 1000 hours of salt spray testing.



Strong seasonal flexibility

Smart hybrid charging ensures full battery capacity every day.



Universal Compatibility

Seamless retrofit installation
Compatible with existing 220VAC infrastructure
Works with standard utility poles





PRODUCT DESCRIPTION

1. High-Efficiency Solar Charging

- Monocrystalline Silicon Solar Panel
- Integrated MPPT Controller for optimized power conversion
- Fast Charging: Full recharge in 4-6 hours

2. User-Friendly Design

- Easy Installation & Maintenance
- Replaceable Battery Compartment for convenient servicing

3. Reliable Energy Storage

- LiFePO₄ Battery
- Extended Backup: Supports 3-5 rainy days without sunlight
- Long Lifespan: 2,500+ cycles | 6-8 years durability

4. Superior Lighting Performance

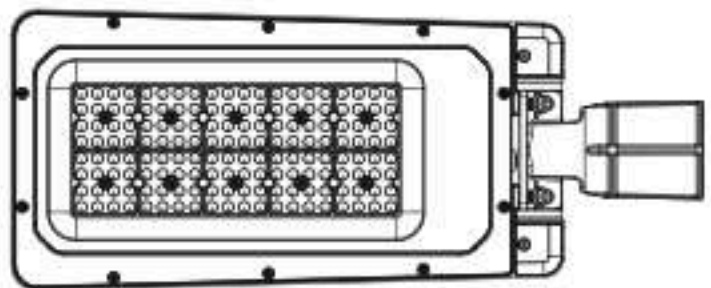
- High Lumen Output: 180 lm/W efficiency
- Premium LED Chip: Lumileds technology for bright, consistent light
- 50,000-Hour Lifespan

5. Optimal Light Quality

- High-Transmittance Optical Lens
- Soft, Uniform Illumination
- Reduced Glare & Light Pollution

SPLIT SOLAR STREET LIGHT SLKB SERIES

40W
-
120W



Luminous efficiency
200LM/H



Adjustable
Sleeve



High Efficiency
Monocrystalline
Solar Panel



Brand new grade
A Lithium LifePO4
battery

Product Parameter

MODEL NUMBER	GH- 	GH- 	GH- 	GH- 	GH-
Power	40W	60W	80W	100W	120W
Solar Panel	18V/80W Mono	18V/120W Mono	18V/160W Mono	18V/200W Mono	36V/240W Mono
Battery	Lithium LifePO4 battery 12.8V,30AH, 384WH	Lithium LifePO4 battery 12.8V,45AH, 576WH	Lithium LifePO4 battery 12.8V,60AH, 768WH	Lithium LifePO4 battery 12.8V,75AH, 960WH	Lithium LifePO4 battery 25.6V,45AH, 1152WH
LED	4 cores high efficiency SMD3030, 96PCS	4 cores high efficiency SMD3030, 160CS	4 cores high efficiency SMD3030, 160PCS	4 cores high efficiency SMD3030, 240PCS	4 cores high efficiency SMD3030, 240PCS
Product Size	430*202*78mm	538*218*78mm	538*218*78mm	538*263*78mm	538*263*78mm
Solar Panels Size	550*760*25mm	800*760*30mm	1040*760*30mm	1320*760*30mm	1540*760*30mm
Material	Die casting Aluminum + PMMA				
Efficacy	180LM/W				
Solar panel conversion efficiency	23.8%				
Luminous Flux	7200LM	10800LM	14400LM	18000LM	21600LM
Controller	MPPT controller				
Light angle	T2 / 3 / 4 / 5 / transmittance: >95%				
Lighting Method	100% for the first 4 hours, 50% for the middle 2 hours, and 30% for the last 6 hours				
Discharge time	3 rainy days				
Installation Height Recommended	6-7m	7-8m	8-10m	10-11m	12-13m



Easy Installation

All-in-one integrated design for quick setup
Adjustable tilt angle (0°-15°) for flexible positioning
Multiple mounting options: column top or lateral installation
Cable-free design eliminates trenching requirements



Intelligent Performance

Self-diagnostic LED indicators for real-time battery and charging status.
Hybrid charging technology ensures full battery capacity year-round, even in seasonal changes.



Durable Construction

High-quality aluminum die-cast housing
Long-life LiFePO₄ battery technology
IP65 certified protection against water ingress, dust penetration, corrosion
Withstands extreme weather conditions
1,000+ hours salt spray tested for coastal durability



Smart Energy Management

Intelligent PIR motion sensor detects movement Automatically dims lights when no activity is detected
Significant energy savings without compromising visibility



Suitable for harsh environments

Waterproof, dustproof, corrosion resistant. Extreme weather conditions, IP65 certification, 1000 hours of salt spray testing.



Advanced Technology

Smart battery management system with clear LED status indicators, self-diagnostic capabilities
Hybrid charging technology maintains full battery capacity year-round, consistent performance in all seasons



Universal Compatibility

Seamless retrofit installation
Compatible with existing 220VAC infrastructure
Works with standard utility poles



SLD SPLIT SOLAR STREET LIGHT

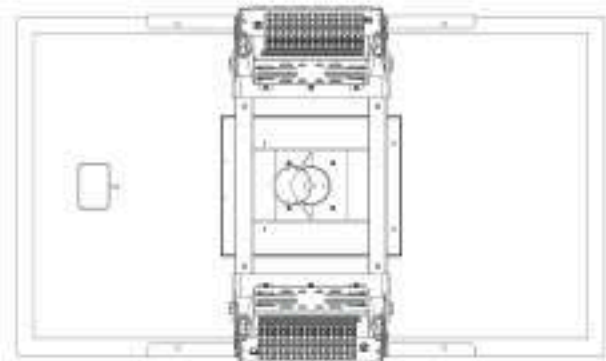


PRODUCT DESCRIPTION

- 1. Premium Heat Dissipation System**
Features a 6063 aluminum radiator with thick anti-corrosion spray coating for maximum durability.
- 2. Simplified Installation**
No additional wiring required, reducing installation costs
Multiple mounting bracket options for versatile installation (pipes, arms, etc.)
- 3. Optimal Light Performance**
Direct light emission design with high-transmittance PC lens (93%+ light transmission)
- 4. Advanced LED Technology**
Genuine imported LED chips with high luminous efficiency, low light decay, superior energy-saving performance
- 5. Efficient Thermal Management**
High-thermal-conductivity aluminum substrate
Optimized radiator design maintains low operating temperatures
Ensures excellent heat dissipation for extended product lifespan
- 6. Easy Maintenance**
Accessible power box design allows for simple replacement of all components
- 7. Enhanced Safety Features**
Lightning protection (Level 4 or higher available)
IP65 waterproof rating for reliable outdoor operation

SPLIT SOLAR STREET LIGHT SLD SERIES

60W
~
200W



Luminous efficiency
200LM/W



Adjustable
Sleeve



High Efficiency
Monocrystalline
Solar Panel



Brand new grade
A Lithium LifePO4
battery

Product Parameter

MODEL NUMBER	GH- <div></div>	GH- <div></div>	GH- <div></div>	GH- <div></div>	GH- <div></div>
Power	60W	80W	100W	120W	200W
Solar Panel	18V/120W Mono	18V/160W Mono	36V/200W Mono	36V/240W Mono	36V/400W Mono
Battery	Lithium LifePO4 battery 12.8V, 60AH(768WH)	Lithium LifePO4 battery 12.8V, 75AH(960Wh)	Lithium LifePO4 battery 25.6V, 60AH(1536Wh)	Lithium LifePO4 battery 25.6V, 75AH(1920Wh)	Lithium LifePO4 battery 25.6V, 105AH(2688Wh)
LED	4 cores high efficiency SMD3030, 252pcs	4 cores high efficiency SMD3030, 252CS	4 cores high efficiency SMD3030, 504pcs	4 cores high efficiency SMD3030, 504PCS	4 cores high efficiency SMD3030, 504PCS
Product Size	366*249*142mm	366*249*142mm	366*249*142mm	366*249*142mm	366*249*142mm
Solar Panels Size	800*760*30mm	1040*760*30mm	1320*760*30mm	1540*760*30mm	1320*760*30mm*2
Material	Die casting Aluminum + PMMA				
Efficacy	200LM/W				
Solar panel conversion efficiency	23.8%				
Luminous Flux	12000LM	16000LM	20000LM	24000LM	40000LM
Controller	MPPT controller				
Light angle	30°, 60°, 90°				
Lighting Method	100% for the first 4 hours, 20% for the next 7 hours				
Discharge time	12 hours a night, 3-5 rainy days				
Installation Height Recommended	6-8m	8-10m	10-12m	12-15m	15-18m



Easy Installation

All-in-one integrated design for quick setup
Adjustable tilt angle (0°-15°) for flexible positioning
Multiple mounting options: column top or lateral installation
Cable-free design eliminates trenching requirements



Intelligent Performance

Self-diagnostic LED indicators for real-time battery and charging status.
Hybrid charging technology ensures full battery capacity year-round, even in seasonal changes.



Durable Construction

High-quality aluminum die-cast housing
Long-life LiFePO₄ battery technology
IP65 certified protection against water ingress, dust penetration, corrosion
Withstands extreme weather conditions
1,000+ hours salt spray tested for coastal durability



Smart Energy Management

Intelligent PIR motion sensor detects movement
Automatically dims lights when no activity is detected
Significant energy savings without compromising visibility



Suitable for harsh environments

Waterproof, dustproof, corrosion resistant. Extreme weather conditions, IP65 certification, 1000 hours of salt spray testing.



Advanced Technology

Smart battery management system with clear LED status indicators, self-diagnostic capabilities
Hybrid charging technology maintains full battery capacity year-round, consistent performance in all seasons



Universal Compatibility

Seamless retrofit installation
Compatible with existing 220VAC infrastructure
Works with standard utility poles



Let's Build Something Great Together

CONTACT US

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Response within 24 hours · OEM / ODM enquiries welcome