

BUILT-IN INTEGRATED SOLAR LED STREET LIGHT SERIES

(All-in-one Solar Street Light Series)



Cost Effective Solar Lighting Solutions



Advantage

THE ALL-IN-ONE ADVANTAGE

1 Sensor

'Smart eye' Motion Sensor
Built-in Passive Infrared Motion Sensor automatically regulates light output.

2 LED Lamp

180lm-200lm/W super bright LED

3 Power Management Controller

Regulates and protects power to lamp and battery packs.

4 Battery

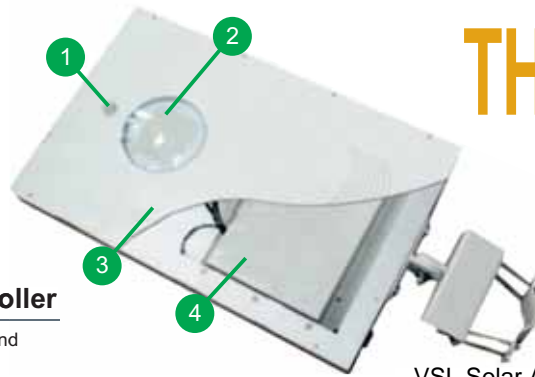
New generation Lithium batteries offers 3 times more storage and power capacity versus traditional Lead Acid batteries. Acid batteries.

5 Solar Module

Mono Crystalline Silicon P.V Module, highly efficient and tolerant to heat providing more output on a smaller footprint.

6 Long working time

10-12hrs/day and 3-5days backup without sunshine



VSL Solar All-in-one solar street light which integrates the green-energy parts solar panel, LED lamp and the Lithium battery into a single product, is with human intelligence induction system to gain the solution of low-energy, long-time, high-luminance and free maintenance. And the same time, it's convenient in the shipment and installation.



VSL Solar All In One Series

LIGHTING THE WAY

Built specifically to illuminate a wide range of applications, is the world's most versatile and compact LED solar lighting system. Its clever design and slim-line construction incorporates the latest solar power and LED technology, providing many years of consistent performance and operational reliability.

BUILT TO LAST

Has been designed to withstand the harshest and most extreme environments has to offer; From blistering heat to driving rain, hail and sub-zero temperatures. Whatever the environment is, VSL Solar rugged construction is up for the challenge. Its internal components offer IP65 weather protection and its external components are built with marine grade aluminium and stainless steel fixings.

UNIQUE PROPERTIES

- 'All-In-One' solar module = Easy installation
- Plug & Play wiring = Fast installation
- Lithium battery technology offers up to 4 times more discharge capacity over Lead Acid types and 3 times more cycle life
- Tamper and Theft proof design
- Automated LED output options for greater battery autonomy
- Customer replacement components

MODEL SMLN-5W



| INTEGRATED (All in One) SOLAR STREET LIGHT (5W) | | MODEL SMLN -5W |
|---|--|--|
| Mono Solar Panel | Rated Power | 12W (Imported Mono-crystalline cells, efficiency >19.6%) |
| | Life Time | >25 years (guarantee 80% of rated output power after 20 years) |
| LiFeP04 Lithium Battery | Type | Lithium Iron Phosphate Battery(LiFeP04)4AH/12.8v |
| | Life Time | >8 years; more than 3500 deep-cycle times |
| LED Lamp (Standard with Sensor) | Rated Power | 5W/12v |
| | LED chip brand | USA Bridgelux LED chip, efficiency >180lm/watt |
| | Whole lamp LM flux | 800lm~850lm |
| | Color Temperature | 2700k to 6500k (optional as per client required) |
| | Life Time | 100,000hours |
| | View Angle | 150*75 degrees |
| Charge Time | By Sun | 6~10 hours |
| Lighting Time (Standard) | By PIR sensor | 10-12hours/day, 3-5 days backup |
| Lighting Mode | By client's option | 1.By Sensor(standard); 2.By Time control; 3.By Sensor+Time control |
| Working temperature | Range(°C) | -20°C ~+75°C |
| Storage temperature | Range(°C) | 0°C ~+45°C |
| Mounting height | Range (m) | 2.5~3 m |
| Distance between 2 lights | Range (m) | 8~10 m |
| Certificate | CE / ROHS / EMC / IP65 / LM80 / IK08 / ISO9001 / ISO9014 | |
| Warranty Period | 2 years | |
| Packing & Weight | Product size | 240*300*50 mm |
| | Packing size | L290*W360*H130mm |
| | Product weight | 2.5 kg |
| | Packing weight | 4.0 kg |
| | Packing box | Neutral |
| | Q'ty/ctn | 1 set / ctn |
| Container Loading Q'ty | 20 FT | 1950pcs |
| | 40 HQ | 4050pcs |

MODEL SMLN-8W



| INTEGRATED (All in One) SOLAR STREET LIGHT (8W) | | MODEL SMLN -8W |
|---|--|--|
| Mono Solar Panel | Rated Power | 18W (Imported Mono-crystalline cells, efficiency >19.6%) |
| | Life Time | >25 years (guarantee 80% of rated output power after 20 years) |
| LiFeP04 Lithium Battery | Type | Lithium Iron Phosphate Battery(LiFeP04)6AH/12.8v |
| | Life Time | >8 years; more than 3500 deep-cycle times |
| LED Lamp (Standard with Sensor) | Rated Power | 8W/12v |
| | LED chip brand | USA Bridgelux LED chip, efficiency >180lm/watt |
| | Whole lamp LM flux | 1280lm~1360lm |
| | Color Temperature | 2700k to 6500k (optional as per client required) |
| | Life Time | 100,000hours |
| | View Angle | 150*75 degrees |
| Charge Time | By Sun | 6~10 hours |
| Lighting Time (Standard) | By PIR sensor | 10-12hours/day, 3-5 days backup |
| Lighting Mode | By client's option | 1.By Sensor(standard); 2.By Time control; 3.By Sensor+Time control |
| Working temperature | Range(°C) | -20°C ~+75°C |
| Storage temperature | Range(°C) | 0°C ~+45°C |
| Mounting height | Range (m) | 2.5~4 m |
| Distance between 2 lights | Range (m) | 10~12 m |
| Lamps material of main | Aluminum alloy | |
| Certificate | CE / ROHS / EMC / IP65 / LM80 / IK08 / ISO9001 / ISO9014 | |
| Warranty Period | 2 years | |
| Packing & Weight | Product size | 540*300*50 mm |
| | Packing size | L570*W350*H140mm |
| | Product weight | 6.0 kg |
| | Packing weight | 8.0 kg |
| | Packing box | Neutral |
| | Q'ty/ctn | 1 set / ctn |
| Container Loading Q'ty | 20 FT | 1050pcs |
| | 40 HQ | 2150pcs |

MODEL SMLN-12W



| INTEGRATED (All in One) SOLAR STREET LIGHT (12W) | | MODEL SMLN -12W |
|--|--|--|
| Mono Solar Panel | Rated Power | 30W (Imported Mono-crystalline cells, efficiency >19.6%) |
| | Life Time | >25 years (guarantee 80% of rated output power after 20 years) |
| LiFeP04 Lithium Battery | Type | Lithium Iron Phosphate Battery(LiFeP04)9AH/12.8v |
| | Life Time | >8 years; more than 3500 deep-cycle times |
| LED Lamp (Standard with Sensor) | Rated Power | 12W/12v |
| | LED chip brand | USA Bridgelux LED chip, efficiency >180lm/watt |
| | Whole lamp LM flux | 1920lm~2040lm |
| | Color Temperature | 2700k to 6500k (optional as per client required) |
| | Life Time | 100,000hours |
| | View Angle | 150*75 degrees |
| Charge Time | By Sun | 6~10 hours |
| Lighting Time (Standard) | By PIR sensor | 10-12hours/day, 3-5 days backup |
| Lighting Mode | By client's option | 1.By Sensor(standard); 2.By Time control; 3.By Sensor+Time control |
| Working temperature | Range(°C) | -20°C ~+75°C |
| Storage temperature | Range(°C) | 0°C ~+45°C |
| Mounting height | Range (m) | 3~4 m |
| Distance between 2 lights | Range (m) | 10~14 m |
| Lamps material of main | Aluminum alloy | |
| Certificate | CE / ROHS / EMC / IP65 / LM80 / IK08 / ISO9001 / ISO9014 | |
| Warranty Period | 2 years | |
| Packing & Weight | Product size | 630*405*72 mm |
| | Packing size | L670*W450*H120mm |
| | Product weight | 7.6 kg |
| | Packing weight | 8.0 kg |
| | Packing box | Neutral |
| | Q'ty/ctn | 1 set / ctn |
| Container Loading Q'ty | 20 FT | 720pcs |
| | 40 HQ | 1580pcs |

MODEL SMLN-15W



| INTEGRATED (All in One) SOLAR STREET LIGHT (15W) | | MODEL SMLN -15W |
|--|--|--|
| Mono Solar Panel | Rated Power | 30W (Imported Mono-crystalline cells, efficiency >19.6%) |
| | Life Time | >25 years (guarantee 80% of rated output power after 20 years) |
| LiFeP04 Lithium Battery | Type | Lithium Iron Phosphate Battery(LiFeP04)12AH/12.8v |
| | Life Time | >8 years; more than 3500 deep-cycle times |
| LED Lamp (Standard with Sensor) | Rated Power | 15W/12v |
| | LED chip brand | USA Bridgelux LED chip, efficiency >180lm/watt |
| | Whole lamp LM flux | 2400lm~2550lm |
| | Color Temperature | 2700k to 6500k (optional as per client required) |
| | Life Time | 100,000hours |
| | View Angle | 150*75 degrees |
| Charge Time | By Sun | 6~10 hours |
| Lighting Time (Standard) | By PIR sensor | 10-12hours/day, 3-5 days backup |
| Lighting Mode | By client's option | 1.By Sensor(standard); 2.By Time control; 3.By Sensor+Time control |
| Working temperature | Range(°C) | -20°C ~+75°C |
| Storage temperature | Range(°C) | 0°C ~+45°C |
| Mounting height | Range (m) | 3~4 m |
| Distance between 2 lights | Range (m) | 12~16 m |
| Lamps material of main | Aluminum alloy | |
| Certificate | CE / ROHS / EMC / IP65 / LM80 / IK08 / ISO9001 / ISO9014 | |
| Warranty Period | 2 years | |
| Packing & Weight | Product size | 630*405*72 mm |
| | Packing size | L670*W450*H120mm |
| | Product weight | 8.0 kg |
| | Packing weight | 9.0 kg |
| | Packing box | Neutral |
| | Q'ty/ctn | 1 set / ctn |
| Container Loading Q'ty | 20 FT | 720pcs |
| | 40 HQ | 1580pcs |

MODEL SMLN-20W



| INTEGRATED (All in One) SOLAR STREET LIGHT (20W) | | MODEL SMLN -20W |
|--|--|--|
| Mono Solar Panel | Rated Power | 50W (Imported Mono-crystalline cells, efficiency >19.6%) |
| | Life Time | >25 years (guarantee 80% of rated output power after 20 years) |
| LiFeP04 Lithium Battery | Type | Lithium Iron Phosphate Battery(LiFeP04) 18AH/12.8v |
| | Life Time | >8 years; more than 3500 deep-cycle times |
| LED Lamp (Standard with Sensor) | Rated Power | 20W/12v (1 LED module) |
| | LED chip brand | USA Bridgelux LED chip, efficiency >180lm/watt |
| | Whole lamp LM flux | 3200lm~3400lm |
| | Color Temperature | 2700k to 6500k (optional as per client required) |
| | Life Time | 100,000hours |
| | View Angle | 150*75 degrees |
| Charge Time | By Sun | 6~10 hours |
| Lighting Time (Standard) | By PIR sensor | 10-12hours/day, 3-5 days backup |
| Lighting Mode | By client's option | 1.By Sensor(standard); 2.By Time control; 3.By Sensor+Time control |
| Working temperature | Range(°C) | -20°C ~+75°C |
| Storage temperature | Range(°C) | 0°C ~+45°C |
| Mounting height | Range (m) | 4~5 m |
| Distance between 2 lights | Range (m) | 13~18 m |
| Lamps material of main | Aluminum alloy | |
| Certificate | CE / ROHS / EMC / IP65 / LM80 / IK08 / ISO9001 / ISO9014 | |
| Warranty Period | 2 years | |
| Packing & Weight | Product size | 710*405*75 mm |
| | Packing size | L750*W450*H120mm |
| | Product weight | 9.7 kg |
| | Packing weight | 11.0 kg |
| | Packing box | Neutral |
| | Q'ty/ctn | 1 set / ctn |
| Container Loading Q'ty | 20 FT | 660pcs |
| | 40 HQ | 1450pcs |

MODEL SMLN-25W



| INTEGRATED (All in One) SOLAR STREET LIGHT (25W) | | MODEL SMLN -25W |
|--|--|--|
| Mono Solar Panel | Rated Power | 60W (Imported Mono-crystalline cells, efficiency >19.6%) |
| | Life Time | >25 years (guarantee 80% of rated output power after 20 years) |
| LiFeP04 Lithium Battery | Type | Lithium Iron Phosphate Battery(LiFeP04) 21AH/12.8v |
| | Life Time | >8 years; more than 3500 deep-cycle times |
| LED Lamp (Standard with Sensor) | Rated Power | 25W/12v (1 LED module) |
| | LED chip brand | USA Bridgelux LED chip, efficiency >180lm/watt |
| | Whole lamp LM flux | 4000lm~4250lm |
| | Color Temperature | 2700k to 6500k (optional as per client required) |
| | Life Time | 100,000hours |
| | View Angle | 150*75 degrees |
| Charge Time | By Sun | 6~10 hours |
| Lighting Time (Standard) | By PIR sensor | 10-12hours/day, 3-5 days backup |
| Lighting Mode | By client's option | 1.By Sensor(standard); 2.By Time control; 3.By Sensor+Time control |
| Working temperature | Range(°C) | -20°C ~+75°C |
| Storage temperature | Range(°C) | 0°C ~+45°C |
| Mounting height | Range (m) | 4~6 m |
| Distance between 2 lights | Range (m) | 15~20 m |
| Lamps material of main | Aluminum alloy | |
| Certificate | CE / ROHS / EMC / IP65 / LM80 / IK08 / ISO9001 / ISO9014 | |
| Warranty Period | 2 years | |
| Packing & Weight | Product size | 886*450*140 mm |
| | Packing size | L940*W510*H200mm |
| | Product weight | 14.3 kg |
| | Packing weight | 23.0 kg |
| | Packing box | Neutral |
| | Q'ty/ctn | 1 set / ctn |
| Container Loading Q'ty | 20 FT | 288pcs |
| | 40 HQ | 640pcs |

MODEL SMLN-30W



| INTEGRATED (All in One) SOLAR STREET LIGHT (30W) | | MODEL SMLN -30W |
|--|--|--|
| Mono Solar Panel | Rated Power | 60W (Imported Mono-crystalline cells, efficiency >19.6%) |
| | Life Time | >25 years (guarantee 80% of rated output power after 20 years) |
| LiFeP04 Lithium Battery | Type | Lithium Iron Phosphate Battery(LiFeP04) 24AH/12.8v |
| | Life Time | >8 years; more than 3500 deep-cycle times |
| LED Lamp (Standard with Sensor) | Rated Power | 30W/12v (1 LED module) |
| | LED chip brand | USA Bridgelux LED chip, efficiency >180lm/watt |
| | Whole lamp LM flux | 4800lm~5100lm |
| | Color Temperature | 2700k to 6500k (optional as per client required) |
| | Life Time | 100,000hours |
| | View Angle | 150*75 degrees |
| Charge Time | By Sun | 6~10 hours |
| Lighting Time (Standard) | By PIR sensor | 10-12hours/day, 3-5 days backup |
| Lighting Mode | By client's option | 1.By Sensor(standard); 2.By Time control; 3.By Sensor+Time control |
| Working temperature | Range(°C) | -20°C ~+75°C |
| Storage temperature | Range(°C) | 0°C ~+45°C |
| Mounting height | Range (m) | 5~6 m |
| Distance between 2 lights | Range (m) | 15~21 m |
| Lamps material of main | Aluminum alloy | |
| Certificate | CE / ROHS / EMC / IP65 / LM80 / IK08 / ISO9001 / ISO9014 | |
| Warranty Period | 2 years | |
| Packing & Weight | Product size | 886*450*140 mm |
| | Packing size | L940*W510*H200mm |
| | Product weight | 14.8 kg |
| | Packing weight | 23.0 kg |
| | Packing box | Neutral |
| | Q'ty/ctn | 1 set / ctn |
| Container Loading Q'ty | 20 FT | 288pcs |
| | 40 HQ | 640pcs |

MODEL SMLN-40W



| INTEGRATED (All in One) SOLAR STREET LIGHT (40W) | | MODEL SMLN -40W |
|--|--|--|
| Mono Solar Panel | Rated Power | 60W (Imported Mono-crystalline cells, efficiency >19.6%) |
| | Life Time | >25 years (guarantee 80% of rated output power after 20 years) |
| LiFeP04 Lithium Battery | Type | Lithium Iron Phosphate Battery(LiFeP04) 27AH/12.8v |
| | Life Time | >8 years; more than 3500 deep-cycle times |
| LED Lamp (Standard with Sensor) | Rated Power | 40W/12v (1 LED module) |
| | LED chip brand | USA Bridgelux LED chip, efficiency >180lm/watt |
| | Whole lamp LM flux | 6400lm~6800lm |
| | Color Temperature | 2700k to 6500k (optional as per client required) |
| | Life Time | 100,000hours |
| | View Angle | 150*75 degrees |
| Charge Time | By Sun | 6~10 hours |
| Lighting Time (Standard) | By PIR sensor | 10-12hours/day, 3-5 days backup |
| Lighting Mode | By client's option | 1.By Sensor(standard); 2.By Time control; 3.By Sensor+Time control |
| Working temperature | Range(°C) | -20°C ~+75°C |
| Storage temperature | Range(°C) | 0°C ~+45°C |
| Mounting height | Range (m) | 5~7 m |
| Distance between 2 lights | Range (m) | 18~23 m |
| Lamps material of main | Aluminum alloy | |
| Certificate | CE / ROHS / EMC / IP65 / LM80 / IK08 / ISO9001 / ISO9014 | |
| Warranty Period | 2 years | |
| Packing & Weight | Product size | 886*450*140 mm |
| | Packing size | L940*W510*H200 mm |
| | Product weight | 15.3 kg |
| | Packing weight | 23.0 kg |
| | Packing box | Neutral |
| | Q'ty/ctn | 1 set / ctn |
| Container Loading Q'ty | 20 FT | 288pcs |
| | 40 HQ | 640pcs |

MODEL SMLN-50W



| INTEGRATED (All in One) SOLAR STREET LIGHT (50W) | | MODEL SMLN -50W |
|--|--|--|
| Mono Solar Panel | Rated Power | 80W (Imported Mono-crystalline cells, efficiency >19.6%) |
| | Life Time | >25 years (guarantee 80% of rated output power after 20 years) |
| LiFeP04 Lithium Battery | Type | Lithium Iron Phosphate Battery(LiFeP04) 33AH/12.8v |
| | Life Time | >8 years; more than 3500 deep-cycle times |
| LED Lamp (Standard with sensor) | Rated Power | 50W/12v (2 LED modules) |
| | LED chip brand | USA Bridgelux LED chip, efficiency >180lm/watt |
| | Whole lamp LM flux | 8000lm~8500lm |
| | Color Temperature | 2700k to 6500k (optional as per client required) |
| | Life Time | 100,000hours |
| Charge Time | By Sun | 6~10 hours |
| Lighting Time | By PIR sensor | 10-12hours/day, 3-5 days backup |
| Lighting Mode | By client's option | 1.By Sensor(standard); 2.By Time control; 3.By Sensor+Time control |
| Working temperature | Range(°C) | -20°C ~+75°C |
| Storage temperature | Range(°C) | 0°C ~+45°C |
| Mounting height | Range (m) | 6~8 m |
| Distance between 2 lights | Range (m) | 20~25 m |
| Lamps material of main | Aluminum alloy | |
| Certificate | CE / ROHS / EMC / IP65 / LM80 / IK08 / ISO9001 / ISO9014 | |
| Warranty Period | 2 years | |
| Packing & Weight | Product size | 1144*450*140 mm |
| | Packing size | L1180*W510*H200 mm |
| | Product weight | 22 kg |
| | Packing weight | 28 kg |
| | Packing box | Neutral |
| | Q'ty/ctn | 1 set / ctn |
| Container Loading Q'ty | 20 GP | 220pcs |
| | 40 HQ | 480pcs |

MODEL SMLN-60W



| INTEGRATED (All in One) SOLAR STREET LIGHT (60W) | | MODEL SMLN -60W |
|--|--|--|
| Mono Solar Panel | Rated Power | 90W (Imported Mono-crystalline cells, efficiency >19.6%) |
| | Life Time | >25 years (guarantee 80% of rated output power after 20 years) |
| LiFeP04 Lithium Battery | Type | Lithium Iron Phosphate Battery(LiFeP04)42AH/12.8v |
| | Life Time | >8 years; more than 3500 deep-cycle times |
| LED Lamp (Standard with sensor) | Rated Power | 60W/12v (2 LED modules) |
| | LED chip brand | USA Bridgelux LED chip, efficiency >180lm/watt |
| | Whole lamp LM flux | 9600lm~10200lm |
| | Color Temperature | 2700k to 6500k (optional as per client required) |
| | Life Time | 100,000hours |
| Charge Time | By Sun | 6~10 hours |
| Lighting Time | By PIR sensor | 10-12hours/day, 3-5 days backup |
| Lighting Mode | By client's option | 1.By Sensor(standard); 2.By Time control; 3.By Sensor+Time control |
| Working temperature | Range(°C) | -20°C ~+75°C |
| Storage temperature | Range(°C) | 0°C ~+45°C |
| Mounting height | Range (m) | 6~8 m |
| Distance between 2 lights | Range (m) | 20~28 m |
| Lamps material of main | Aluminum alloy | |
| Certificate | CE / ROHS / EMC / IP65 / LM80 / IK08 / ISO9001 / ISO9014 | |
| Warranty Period | 2 years | |
| Packing & Weight | Product size | 1144*450*140 mm |
| | Packing size | L1180*W510*H200 mm |
| | Product weight | 22.7 kg |
| | Packing weight | 28.0 kg |
| | Packing box | Neutral |
| | Q'ty/ctn | 1 set / ctn |
| Container Loading Q'ty | 20 GP | 220pcs |
| | 40 HQ | 480pcs |

MODEL SMLN-70W



| INTEGRATED (All in One) SOLAR STREET LIGHT (70W) | | MODEL SMLN -70W |
|--|--|--|
| Mono Solar Panel | Rated Power | 100W (Imported Mono-crystalline cells, efficiency >19.6%) |
| | Life Time | >25 years (guarantee 80% of rated output power after 20 years) |
| LiFeP04 Lithium Battery | Type | Lithium Iron Phosphate Battery(LiFeP04)48AH/12.8v |
| | Life Time | >8 years; more than 3500 deep-cycle times |
| LED Lamp (Standard with sensor) | Rated Power | 70W/12v (2 LED modules) |
| | LED chip brand | USA Bridgelux LED chip, efficiency >180lm/watt |
| | Whole lamp LM flux | 11200lm~11900lm |
| | Color Temperature | 2700k to 6500k (optional as per client required) |
| | Life Time | 100,000hours |
| Charge Time | By Sun | 6~10 hours |
| Lighting Time | By PIR sensor | 10-12hours/day, 3-5 days backup |
| Lighting Mode | By client's option | 1.By Sensor(standard); 2.By Time control; 3.By Sensor+Time control |
| Working temperature | Range(°C) | -20°C ~+75°C |
| Storage temperature | Range(°C) | 0°C ~+45°C |
| Mounting height | Range (m) | 7~8 m |
| Distance between 2 lights | Range (m) | 22~30 m |
| Lamps material of main | Aluminum alloy | |
| Certificate | CE / ROHS / EMC / IP65 / LM80 / IK08 / ISO9001 / ISO9014 | |
| Warranty Period | 2 years | |
| Packing & Weight | Product size | 1144*450*140 mm |
| | Packing size | L1180*W510*H200 mm |
| | Product weight | 23 kg |
| | Packing weight | 28 kg |
| | Packing box | Neutral |
| | Q'ty/ctn | 1 set / ctn |
| Container Loading Q'ty | 20 GP | 220pcs |
| | 40 HQ | 480pcs |

MODEL SMLN-80W



| INTEGRATED (All in One) SOLAR STREET LIGHT (80W) | | MODEL SMLN -80W |
|--|--|--|
| Mono Solar Panel | Rated Power | 120W/36V (Imported Mono-crystalline cells, efficiency >19.6%) |
| | Life Time | >25 years (guarantee 80% of rated output power after 20 years) |
| LiFeP04 Lithium Battery | Type | Lithium Iron Phosphate Battery(LiFeP04)26AH/25.6v |
| | Life Time | >8 years; more than 3500 deep-cycle times |
| LED Lamp (Standard with dimming) | Rated Power | 80W/24v (4 LED modules) |
| | LED chip brand | USA Bridgelux LED chip, efficiency >180lm/watt |
| | Whole lamp LM flux | 12800lm~13600lm |
| | Color Temperature | 2700k to 6500k (optional as per client required) |
| | Life Time | 100,000hours |
| Charge Time | By Sun | 6~10 hours |
| Lighting Time | By dimming | 10-12hours/day, 3-5 days backup |
| Working temperature | Range(°C) | -20°C ~+75°C |
| Storage temperature | Range(°C) | 0°C ~+45°C |
| Mounting height | Range (m) | 7~9 m |
| Distance between 2 lights | Range (m) | 24~32 m |
| Lamps material of main | Aluminum alloy | |
| Certificate | CE / ROHS / EMC / IP65 / LM80 / IK08 / ISO9001 / ISO9014 | |
| Warranty Period | 2 years | |
| Packing & Weight | Lamp size | 1593*450*45 mm |
| | Bracket size | 320*180*242 mm |
| | Lamp Packing size | 1640*505*150 mm |
| | Bracket Packing size | 330*240*260 mm |
| | Product weight | 29.5 kg |
| | Packing weight | 36.0 kg |
| | Packing box | Neutral |
| | Q'ty/ctn | 1 set / ctn |
| Container Loading Q'ty | 20 GP | 180pcs |
| | 40 HQ | 380pcs |

MODEL SMLN-90W



| INTEGRATED (All in One) SOLAR STREET LIGHT (90W) | | MODEL SMLN -90W |
|--|--|--|
| Mono Solar Panel | Rated Power | 120W/36V (Imported Mono-crystalline cells, efficiency >19.6%) |
| | Life Time | >25 years (guarantee 80% of rated output power after 20 years) |
| LiFeP04 Lithium Battery | Type | Lithium Iron Phosphate Battery(LiFeP04)27AH/25.6v |
| | Life Time | >8 years; more than 3500 deep-cycle times |
| LED Lamp (Standard with dimming) | Rated Power | 90W/24v (4 LED modules) |
| | LED chip brand | USA Bridgelux LED chip, efficiency >180lm/watt |
| | Whole lamp LM flux | 14400lm~15300lm |
| | Color Temperature | 2700k to 6500k (optional as per client required) |
| | Life Time | 100,000hours |
| Charge Time | By Sun | 6~10 hours |
| Lighting Time | By dimming | 10-12hours/day, 3-5 days backup |
| Working temperature | Range(°C) | -20°C ~+75°C |
| Storage temperature | Range(°C) | 0°C ~+45°C |
| Mounting height | Range (m) | 8~10 m |
| Distance between 2 lights | Range (m) | 24~32 m |
| Lamps material of main | Aluminum alloy | |
| Certificate | CE / ROHS / EMC / IP65 / LM80 / IK08 / ISO9001 / ISO9014 | |
| Warranty Period | 2 years | |
| Packing & Weight | Lamp size | 1593*450*45 mm |
| | Bracket size | 320*180*242 mm |
| | Lamp Packing size | 1640*505*150 mm |
| | Bracket Packing size | 330*240*260 mm |
| | Product weight | 30.0 kg |
| | Packing weight | 36.0 kg |
| | Packing box | Neutral |
| | Q'ty/ctn | 1 set / ctn |
| Container Loading Q'ty | 20 GP | 180pcs |
| | 40 HQ | 380pcs |

MODEL SMLN-100W



| INTEGRATED (All in One) SOLAR STREET LIGHT (100W) | | MODEL SMLN -100W |
|---|--|--|
| Mono Solar Panel | Rated Power | 130W/36V (Imported Mono-crystalline cells, efficiency >19.6%) |
| | Life Time | >25 years (guarantee 80% of rated output power after 20 years) |
| LiFeP04 Lithium Battery | Type | Lithium Iron Phosphate Battery(LiFeP04)30AH/25.6v |
| | Life Time | >8 years; more than 3500 deep-cycle times |
| LED Lamp (Standard with dimming) | Rated Power | 100W/24v (4 LED modules) |
| | LED chip brand | USA Bridgelux LED chip, efficiency >180lm/watt |
| | Whole lamp LM flux | 16000lm~17000lm |
| | Color Temperature | 2700k to 6500k (optional as per client required) |
| | Life Time | 100,000hours |
| Charge Time | By Sun | 6~10 hours |
| Lighting Time | By dimming | 10-12hours/day, 3-5 days backup |
| Working temperature | Range(°C) | -20°C ~+75°C |
| Storage temperature | Range(°C) | 0°C ~+45°C |
| Mounting height | Range (m) | 8~11 m |
| Distance between 2 lights | Range (m) | 25~35 m |
| Lamps material of main | Aluminum alloy | |
| Certificate | CE / ROHS / EMC / IP65 / LM80 / IK08 / ISO9001 / ISO9014 | |
| Warranty Period | 2 years | |
| Packing & Weight | Lamp size | 1593*450*45 mm |
| | Bracket size | 320*180*242 mm |
| | Lamp Packing size | 1640*505*150 mm |
| | Bracket Packing size | 330*240*260 mm |
| | Product weight | 30.5 kg |
| | Packing weight | 36.0 kg |
| | Packing box | Neutral |
| Q'ty/ctn | 1 set / ctn | |
| Container Loading Q'ty | 20 GP | 180pcs |
| | 40 HQ | 380pcs |

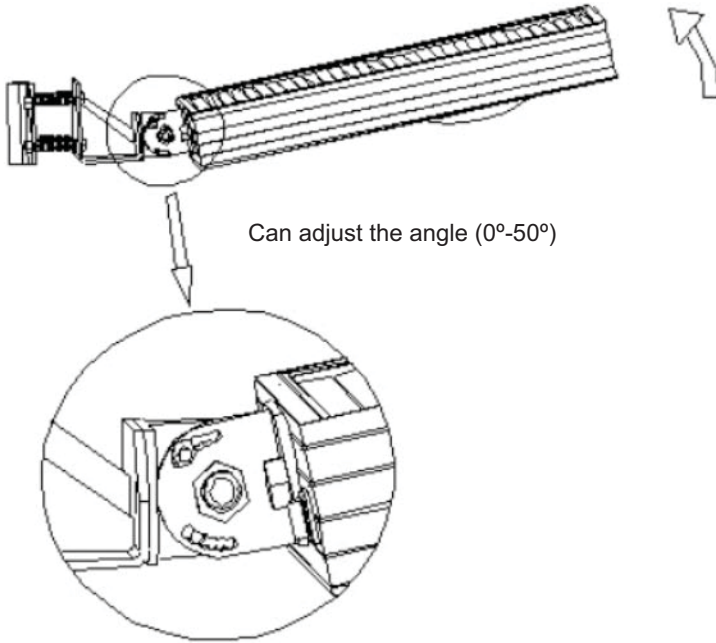
MODEL SMLN-120W



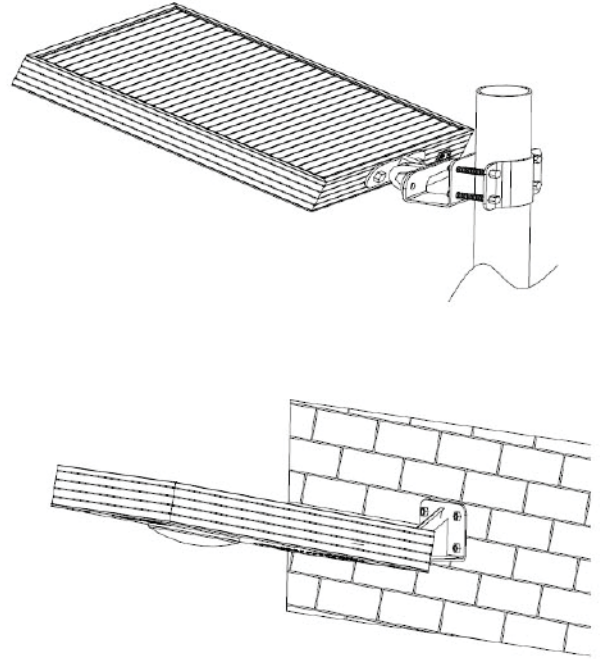
| INTEGRATED (All in One) SOLAR STREET LIGHT (120W) | | MODEL SMLN -120W |
|---|--|--|
| Mono Solar Panel | Rated Power | 170W/36V (Imported Mono-crystalline cells, efficiency >19.6%) |
| | Life Time | >25 years (guarantee 80% of rated output power after 20 years) |
| LiFeP04 Lithium Battery | Type | Lithium Iron Phosphate Battery(LiFeP04)36AH/25.6v |
| | Life Time | >8 years; more than 3500 deep-cycle times |
| LED Lamp (Standard with dimming) | Rated Power | 120W/24v (4 LED modules) |
| | LED chip brand | USA Bridgelux LED chip, efficiency >180lm/watt |
| | Whole lamp LM flux | 19200lm~20400lm |
| | Color Temperature | 2700k to 6500k (optional as per client required) |
| | Life Time | 100,000hours |
| Charge Time | By Sun | 6~10 hours |
| Lighting Time | By dimming | 10-12hours/day, 3-5 days backup |
| Working temperature | Range(°C) | -20°C ~+75°C |
| Storage temperature | Range(°C) | 0°C ~+45°C |
| Mounting height | Range (m) | 9~12 m |
| Distance between 2 lights | Range (m) | 28~40 m |
| Lamps material of main | Aluminum alloy | |
| Certificate | CE / ROHS / EMC / IP65 / LM80 / IK08 / ISO9001 / ISO9014 | |
| Warranty Period | 2 years | |
| Packing & Weight | Lamp size | 1593*540*45 mm |
| | Bracket size | 400*280*280 mm |
| | Lamp Packing size | 1640*595*150 mm |
| | Bracket Packing size | 410*340*300 mm |
| | Product weight | 38.0 kg |
| | Packing weight | 45.0 kg |
| | Packing box | Neutral |
| | Q'ty/ctn | 1 set / ctn |
| Container Loading Q'ty | 20 GP | 150pcs |
| | 40 HQ | 320pcs |

INSTALLATION

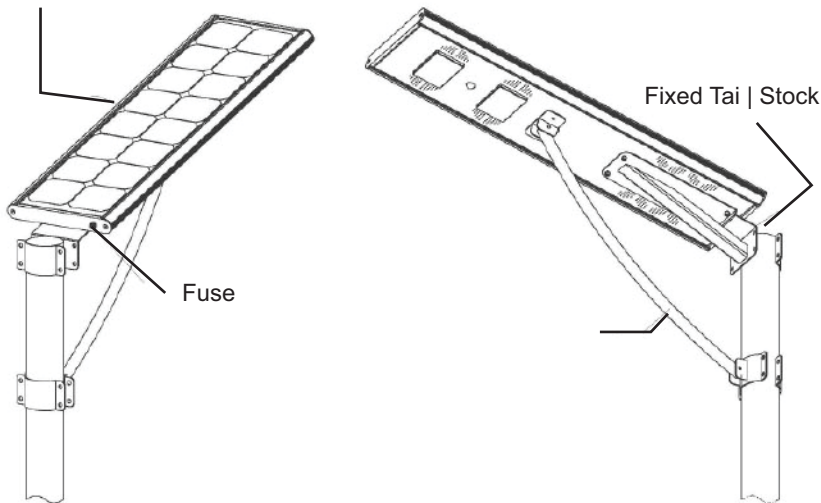
Make the solar panel face south while installing. Meanwhile, you can adjust the angel between the lamp head and level (as follow), you'd better reconcile the lamp head with local latitude.



The second installation method, as followed:



(All in one)
Solar Street light



Intallation Notes (instructions are supplied with each fitting)

- Install fuse if present before use (remove any film under fuse)
- Tool supplied to tighten security bolts provided
- Face solar panel as much towards the north as possible to maximise sun exposure (and therefore battery charge)

NB: As with all solar products, performance is wholly dependet upon the hours of direct sunlight and the orientation of the solar panel.

APPLICATION

Applications:

- Carparks, paths and laneways
- Private roads, gates and entrances

Safety and security:

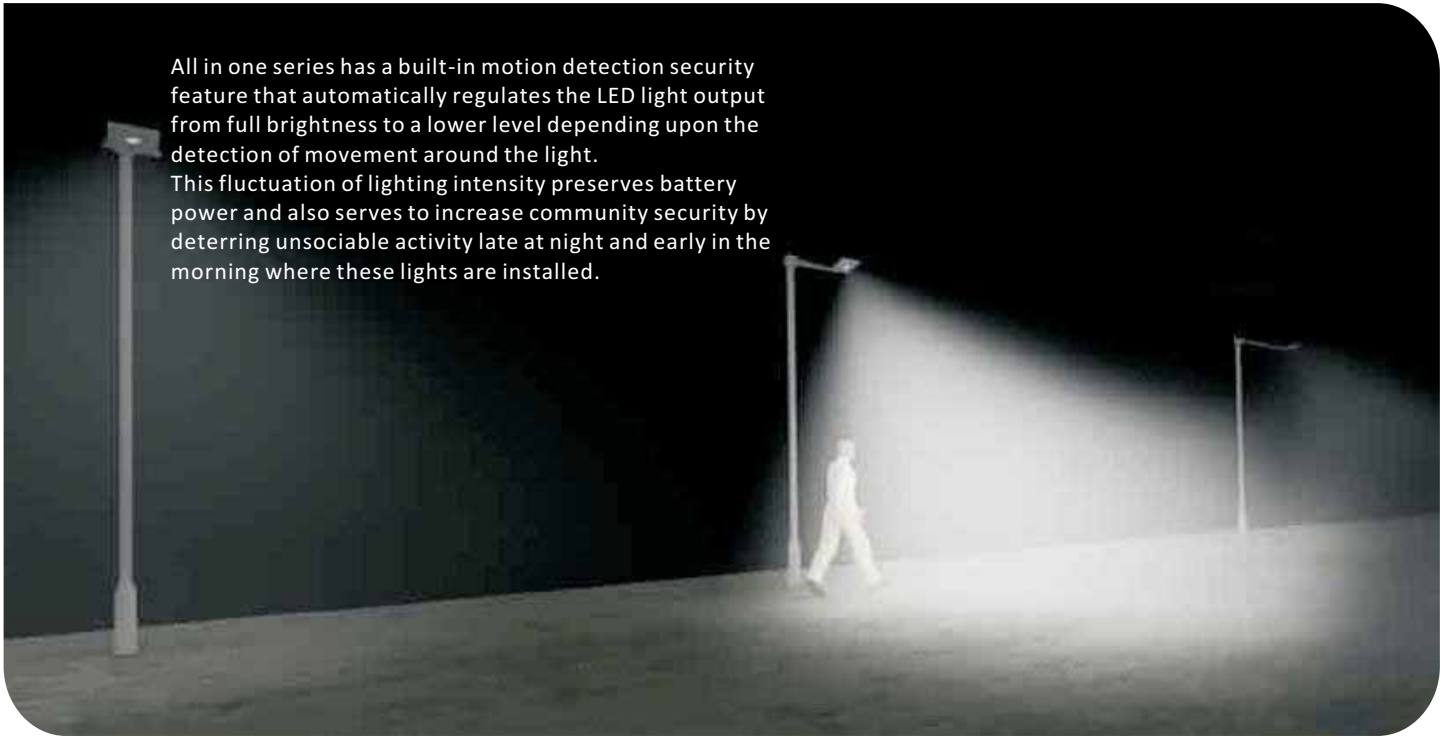
- Playgrounds, courtyards
- Entrances, exits and muster areas
- Outside storage areas, perimeter lighting

Remote areas

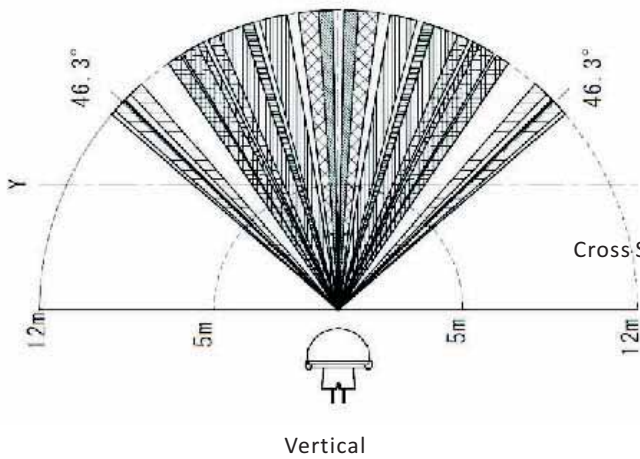
- Where wiring is nos economical or practical

Motion Sensor Specification

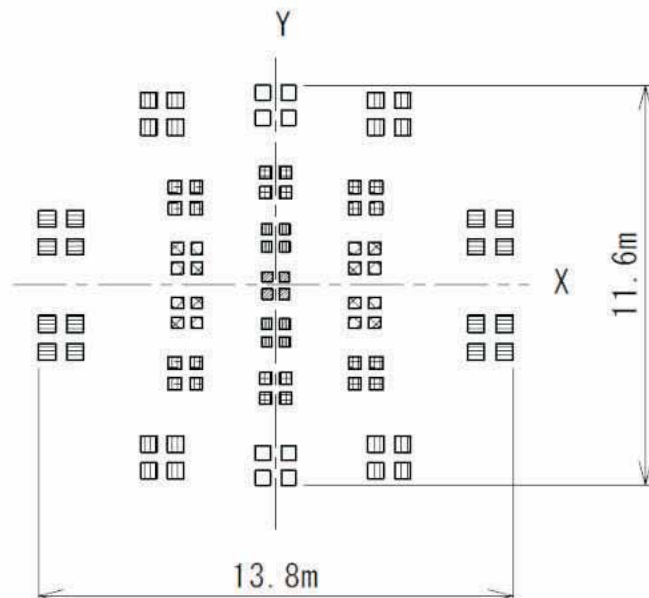
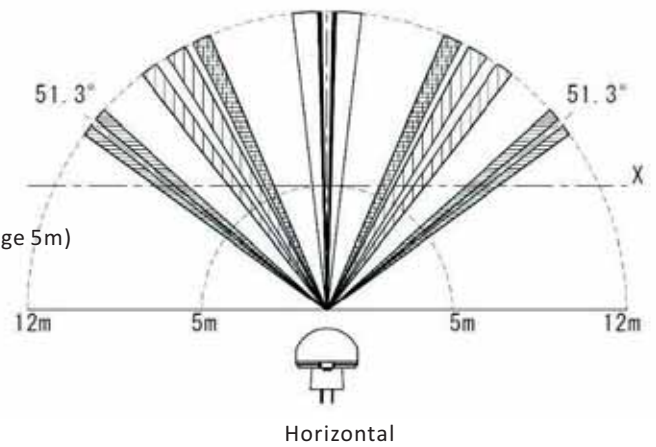
All in one series has a built-in motion detection security feature that automatically regulates the LED light output from full brightness to a lower level depending upon the detection of movement around the light. This fluctuation of lighting intensity preserves battery power and also serves to increase community security by deterring unsociable activity late at night and early in the morning where these lights are installed.



PIR Detection Area

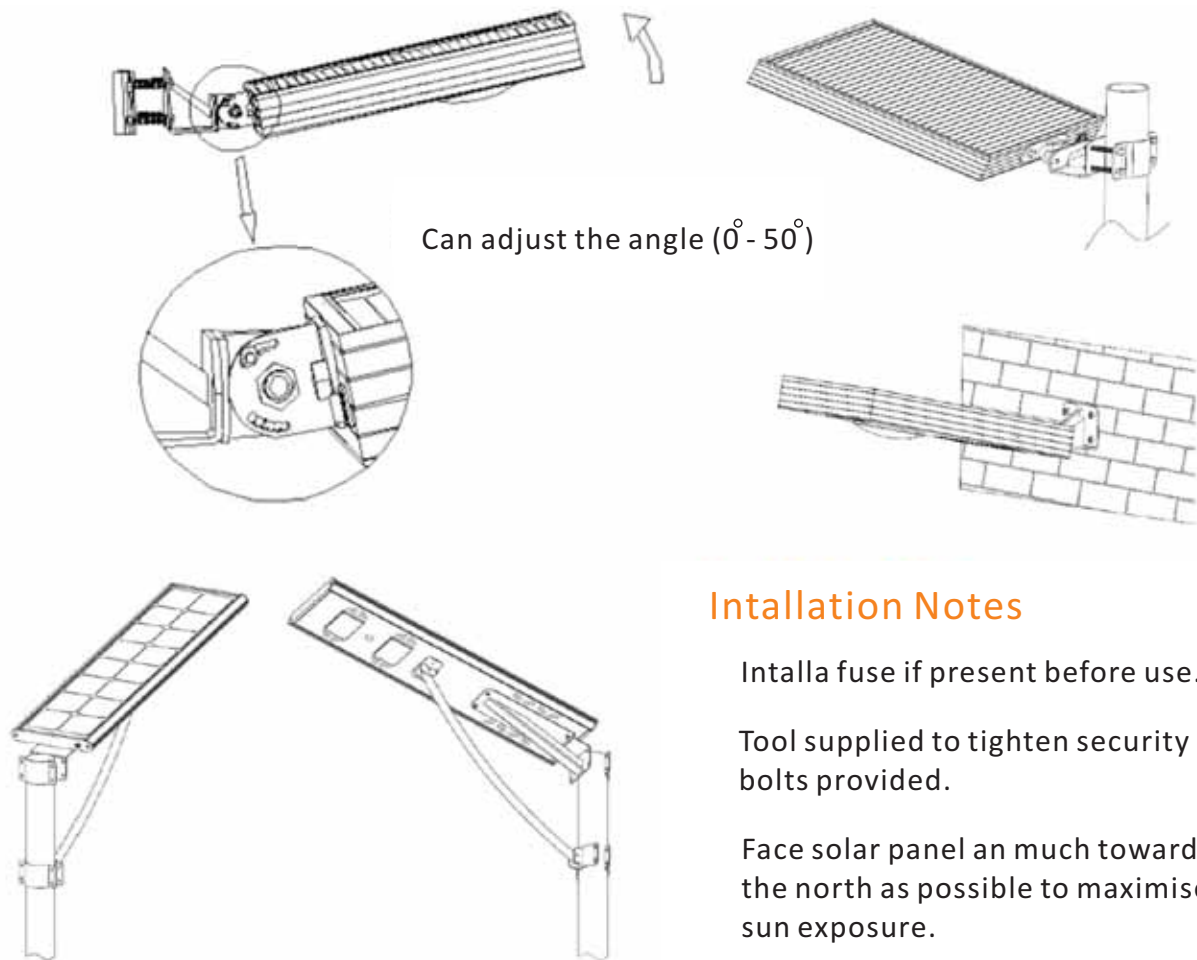


Cross Section (range 5m)



Installation

Make the solar panel face south while installing, Meanwhile, you can adjust the angle between the lamp head and level(as follow), you'd better reconcile the lamp head with local latitude.



Installation Notes

Intalla fuse if present before use.

Tool supplied to tighten security bolts provided.

Face solar panel an much towards the north as possible to maximise sun exposure.

To place the light pole into the best spot with good day lighting.The light pole should be the lenth 4-6m, the thickness 2.0mm with material iron or steel, the diameter 50-90mm.

Unfold the knob of fuse (see below) and take out the insulating film if the fuse sockets, to check up if the fuse working right or not, and then tighten.

Place the lamp on the pole by its sleeve, special screw should be used and steady installation shuld be ensured.

