HERA LED Solar Street Light

Hera solar street light combines sleek design with advanced functionality. With its customizable height, the Hera is ideal for roads, parks, parking lots, and more. Perfect for enhancing outdoor spaces with sustainable, efficient, and reliable lighting solutions.

- **NO ELECTRIC BILLS**
- **EASY INSTALLATION**
- **RELIABLE LIGHTING ANYTIME**
- **LOW MAINTENANCE**
- **VERSATILE APPLICATIONS**
- **SUSTAINABLE**

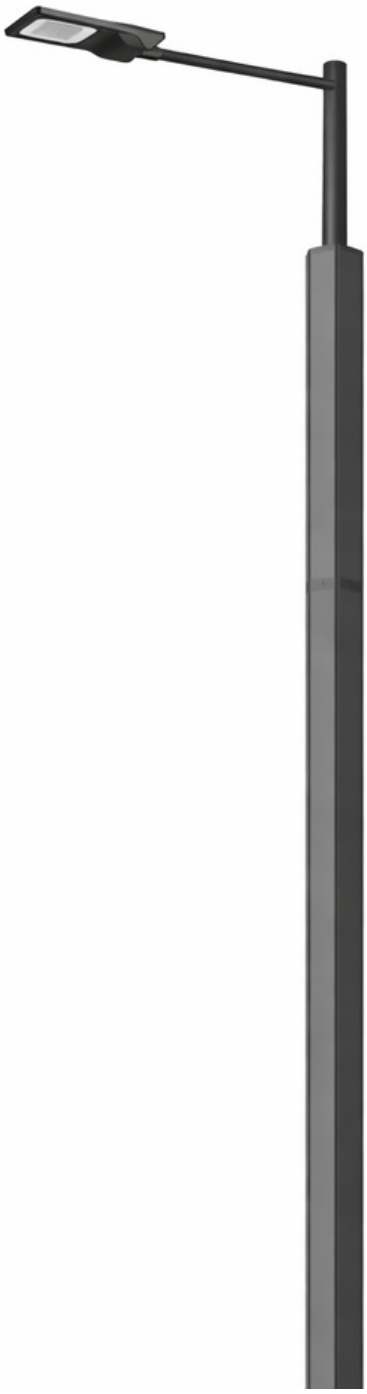
710 Armstrong Dr, Buffalo Grove, IL 60089 / Phone: (224) 567-8312 / Email: sales@360solarlighting.com

HERA LED Solar Street Light

LED Light

Solar: 100% Solar power supply, 100% Self Efficient
Hybrid: Primarily Solar, grid backup
Grid: Direct grid connection

(Battery & MPPT placement varies based on needs, see below)
Battery & MPPT inside pole / Battery & MPPT in ground
Cylindrical Battery & MPPT (pole exterior) / Battery & MPPT in fixture
Direct grid connection



Solar Module Features

- High-efficiency mono-crystalline silicon cells
- Shingled packaging technology for increased performance
- Strong, impact resistant aluminum alloy frame
- Can withstand wind up to 2400 Pa & snow up to 5400 Pa
- Effective power generation even under low-light conditions

Battery Options

Solar: 100% Solar power supply, 100% Self Efficient
Hybrid: Primarily Solar, grid backup
Grid: Direct grid connection

(Battery & MPPT placement varies based on needs, see below)
Battery & MPPT inside pole / Battery & MPPT in ground
Cylindrical Battery & MPPT (pole exterior) / Battery & MPPT in fixture
Direct grid connection

Note: Specifications represent our standard configuration; customization is available.

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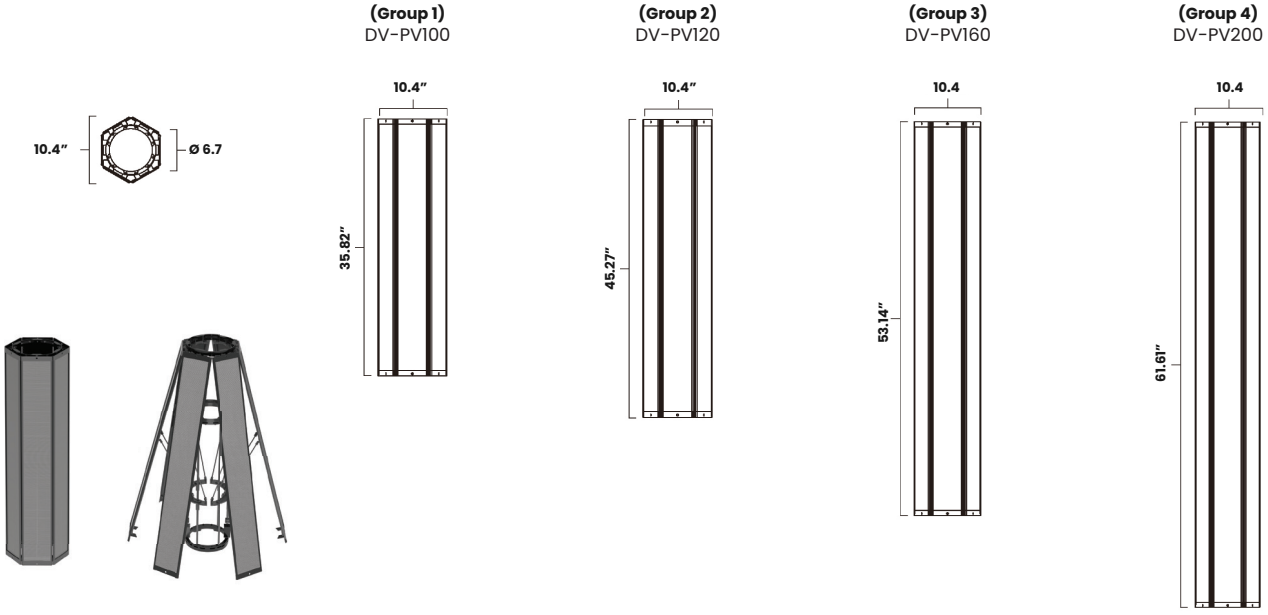
360 Solar Lighting™ a DUVON Company

Hera Solar Module - Specification (Standards)

Parameters	Group 1	Group 2	Group 3	Group 4
Model Number	DV-PV100-18V	DV-PV120-18V	DV-PV160-18V	DV-PV200-18V
Peak Power/Pmax	100Wp	120Wp	160Wp	200Wp
Peak Voltage/Vmp	18.83	18.83	18.83	18.83
Open Circuit Voltage/Voc	22	22	22	22
Peak Current/Imp	5.31	6.37	8.5	10.62
Short Circuit Current/Isc	5.63	6.75	9	11.26
Cell Conversion Efficiency	>26%			
Operating Temp	-40°F – 185°F			
System Voltage	1000V DC(IEC) / 1500V DC(UL)			
IP Rating	IP66			
Wind Load	127 mph			
Salt Spray Test	1000 hrs			
Tolerance	-3/+3%			
Install Dimensions	Ø 2.3622 - 6.61417			
Solar Cell	HPBC Mono			
PV Panel Module Sides	6			
Max Parallel Connection Qty	5			
Dimensions (in)	Ø 10.43 x 32.0866	Ø 10.43 x 36.141	Ø 10.4 x 50.629	Ø 10.4 x 59.4488
Pole Diameter Range (in)	Ø 2.598 - Ø 6.614			
PV Panel Weight (lbs)	18.7393	23.14	29.762	33.0693
Backplane	TPT Backplane			
Materials				
Solar Cell	Mono Cell			
Glass	3.2 Cloth Super White Tempered Glass			
EVA	High light transmittance, anti-oxidation, anti-corrosion, UV resistant			
TPE (Black)	High temperature resistant, fatigue resistant, creep resistant, impact resistant			
Materials				
Peak Power Temp	-0.261%°F			
Open Circuit Voltage Temp Coefficient	-0.19%°F			
Short Circuit Current Temp Coefficient	-0.25%°F			

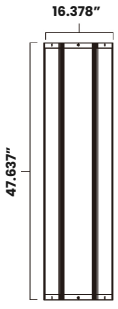


Specifications subject to site conditions and engineering requirements.

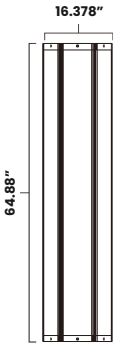
Hera Solar Module - Specification (Standards)

Parameters	Group 1	Group 2	Group 3	Group 4
Model Number	DV-PV300-36	DV-PV300-36	DV-PV500-18V	DV-PV600-18V
Peak Power/Pmax	300Wp	400Wp	500Wp	600Wp
Peak Voltage/Vmp	36.46	36.46	36.46	36.46
Open Circuit Voltage/Voc	40	40	40	40
Peak Current/Imp	8.22	11	13.71	16.46
Short Circuit Current/Isc	8.72	11.63	14.53	17.44
Cell Conversion Efficiency	>26%			
Operating Temp	-40°F – 185°F			
System Voltage	1000V DC(IEC) / 1500V DC(UL)			
IP Rating	IP66			
Wind Load	127 mph			
Salt Spray Test	1000 hrs			
Tolerance	-3/+3%			
Install Dimensions	Ø 2.3622 - 10.6299			
Solar Cell	HPBC Mono			
PV Panel Module Sides	6			
Max Parallel Connection Qty	5			
Dimensions LxOD(in)	Ø 16.377 x 47.6378	Ø 16.377 x 64.88	Ø 16.377 x 76.77	Ø 16.377 x 93.897
Pole Diameter Range (in)	Ø 6.614 x Ø 10.6299			
PV Panel Weight (lbs)	18.7393	23.14	29.762	33.0693
Backplane	TPT Backplane			
Materials				
Solar Cell	Mono Cell			
Glass	3.2 Cloth Super White Tempered Glass			
EVA	High light transmittance, anti-oxidation, anti-corrosion, UV resistant			
TPE (Black)	High temperature resistant, fatigue resistant, creep resistant, impact resistant			
Materials				
Peak Power Temp	-0.261%°F			
Open Circuit Voltage Temp Coefficient	-0.19%°F			
Short Circuit Current Temp Coefficient	-0.25%°F			

(Group 1)
DV-PV300-36

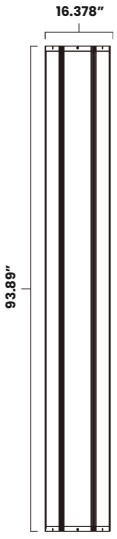


(Group 2)
DV-PV300-36



(Group 3)
DV-PV500-36

(Group 4)
DV-PV600-36



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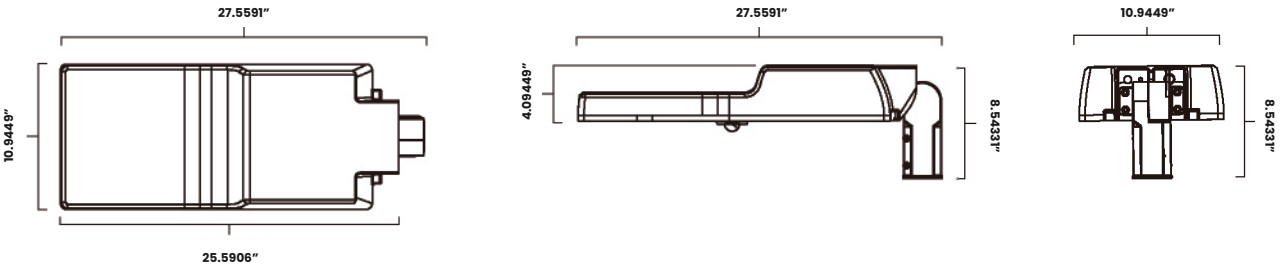
Apollo LED Light Options

Model Number	LED	Wattage	CCT	CRI	lm/W
DV-LSL-20W	Philips / Nichia	20W	4000K	>70RA	170-190
DV-LSL-30W	Philips / Nichia	30W	4000K	>70RA	170-190
DV-LSL-40W	Philips / Nichia	40W	4000K	>70RA	170-190
DV-LSL-50W	Philips / Nichia	50W	4000K	>70RA	170-190
DV-LSL-70W	Philips / Nichia	70W	4000K	>70RA	160-190
DV-LSL-90W	Philips / Nichia	90W	4000K	>70RA	160-190
DV-LSL-100W	Philips / Nichia	100W	4000K	>70RA	160-190
DV-LSL-120W	Philips / Nichia	120W	4000K	>70RA	150-190
DV-LSL-150W	Philips / Nichia	150W	4000K	>70RA	150-190

Dimensions

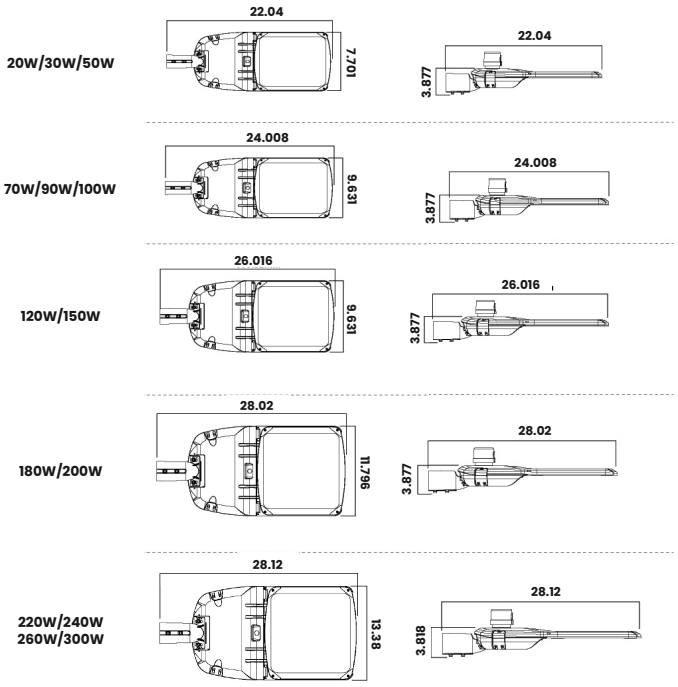


LED Light Module - Specification

Optical	
Luminous Efficacy	180 lm/W
Color Temperature (CCT)	30K / 40K / 50K
Color Rendering Index (CRI)	>70 Ra
Electrical	
Input	DC 24 V
Power Frequency	50 / 60 HZ
Power Factor	>0.95
Dimming Function	DALI/0-10V
Controller	Dimming profile
SPD	10KV
Power Supply	Full Solar Hybrid Grid Feed-in
Mechanical	
Body / Lens	Aluminum housing, Glass lens
Protection	IP65, IK08
Operating Temp	-40 °F – 122 °F
Wind Load	127.5 mph
Lifetime	≥ 100,000 h (L90 B10)

Dimensions

Dimensions (in)

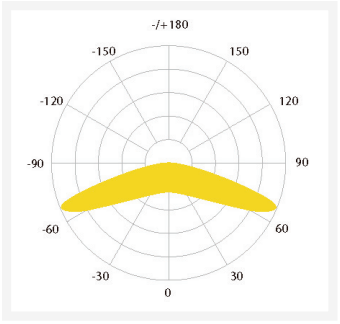


LED Light Options

Model Number	Volatage	Wattage
DV-LSL20-XX-YY	DC 24V	20
DV-LSL30-XX-YY	DC 24V	30
DV-LSL50-XX-YY	DC 24V	50
DV-LSL70-XX-YY	DC 24V	70
DV-LSL90-XX-YY	DC 24V	90
DV-LSL100-XX-YY	DC 24V	100
DV-LSL120-XX-YY	DC 24V	120
DV-LSL150-XX-YY	DC 24V	150
DV-LSL180-XX-YY	DC 24V	180
DV-LSL200-XX-YY	DC 24V	200
DV-LSL220-XX-YY	DC 24V	220
DV-LSL240-XX-YY	DC 24V	240
DV-LSL260-XX-YY	DC 24V	260
DV-LSL300-XX-YY	DC 24V	300

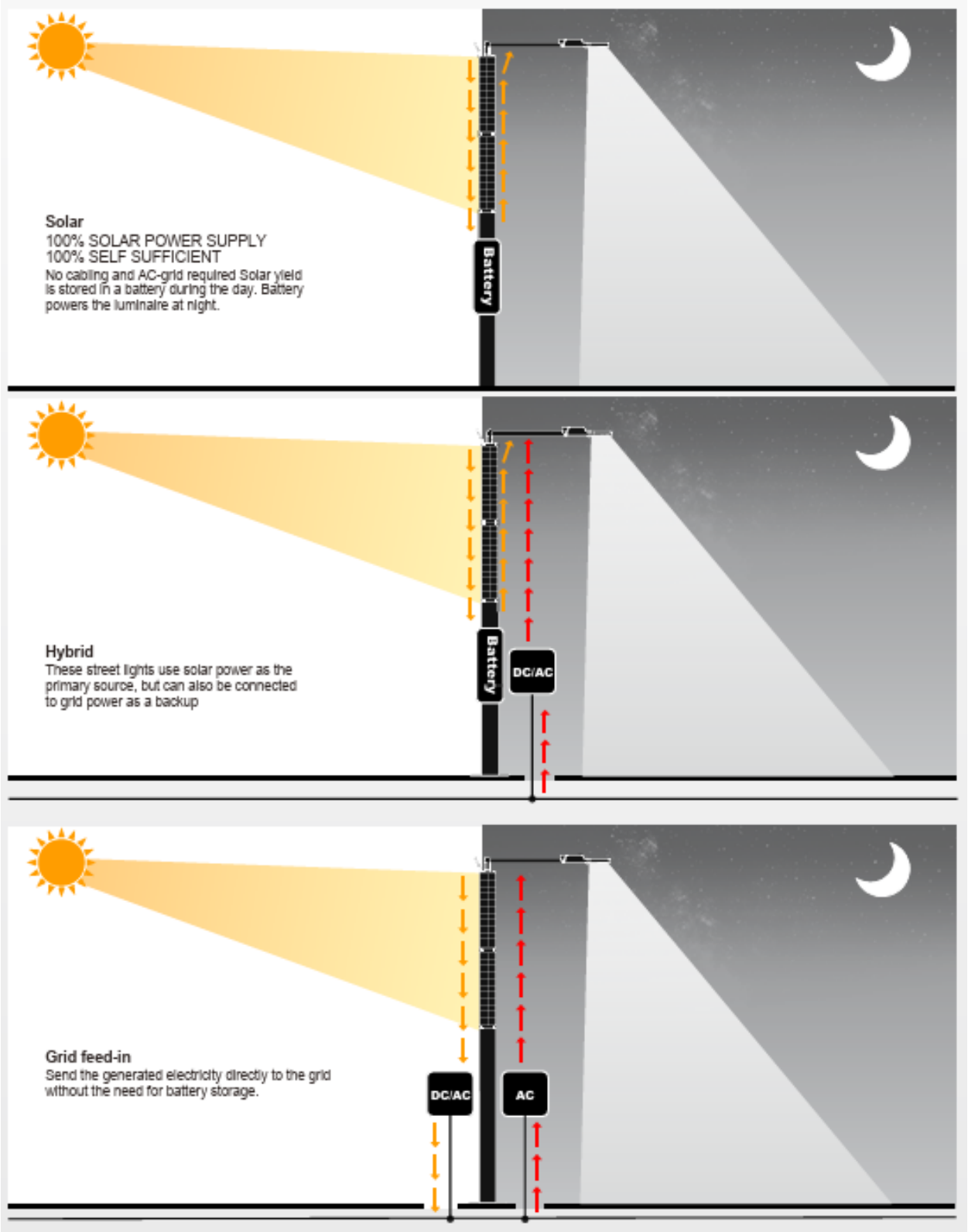
Suffix "XX" denote LED driver brand
Suffix "YY" denote different CCT ex. 30+3000K

Photometrics



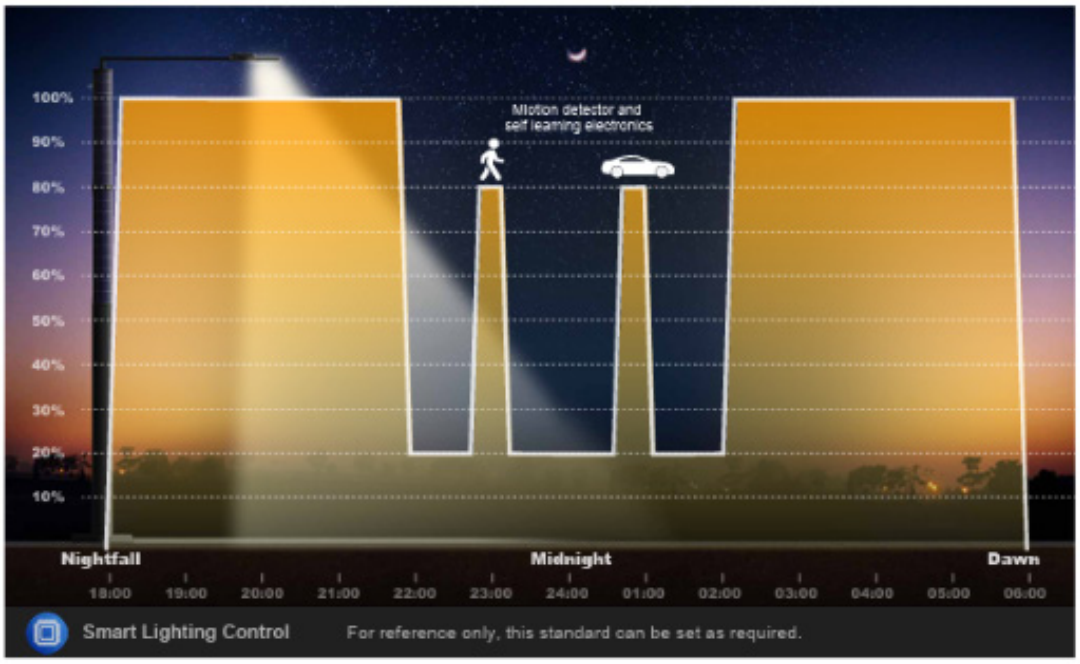
Power Supply Options

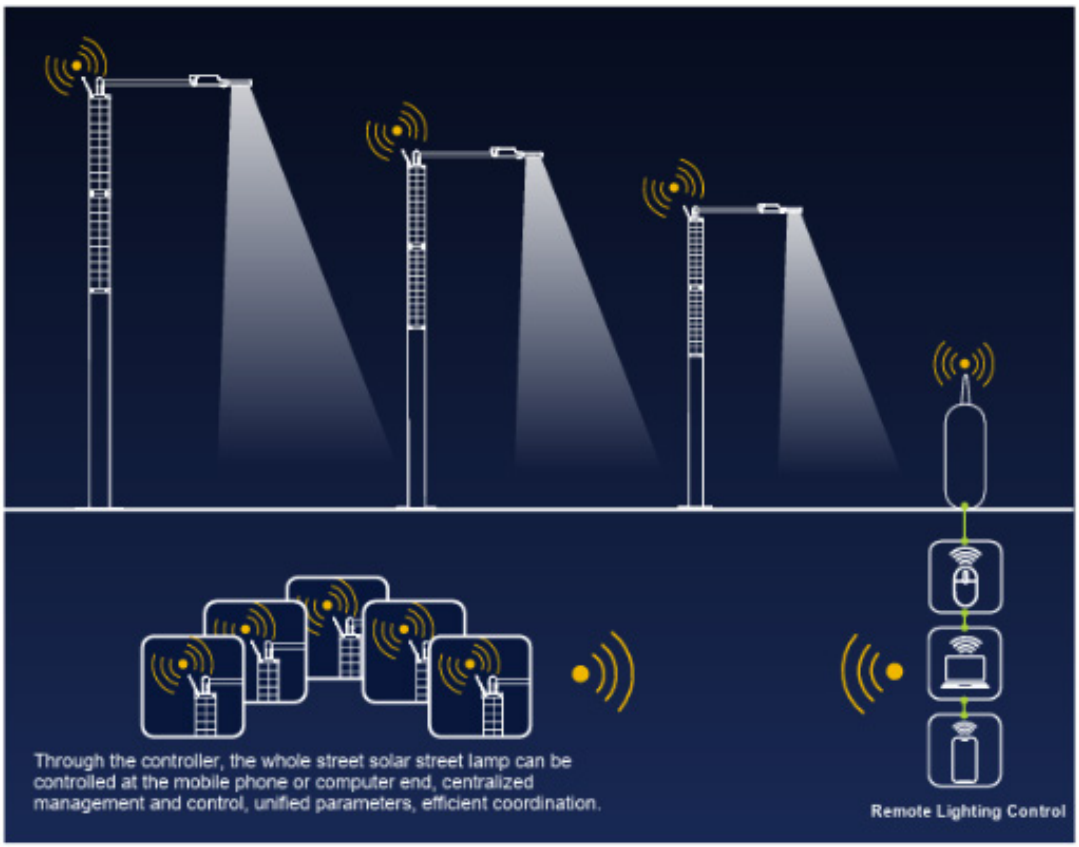
- Full solar supply
- Hybrid supply
- Grid feed-in



Smart & Solar

Smart control systems for solar street lights are advanced technologies that allow for remote monitoring and control of the lights. These systems use various sensors and control devices to optimize the performance of the solar street lights and reduce energy consumption.





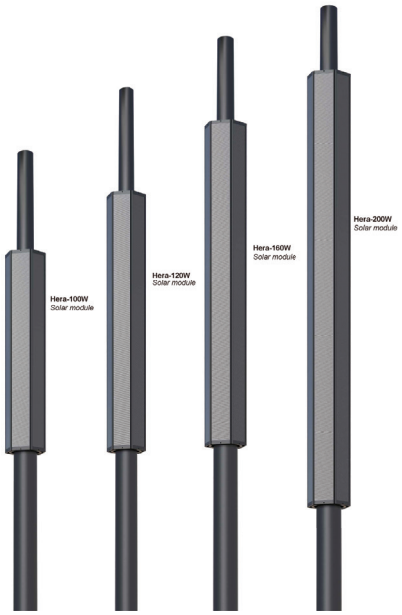
Module Size Guide

DV-SL2011-HE / AP
DV-SL3011-HE / AP
DV-SL4011-HE / AP

DV-SL6023-HE / AP

DV-SL8024-HE / AP

Dimensions (in)



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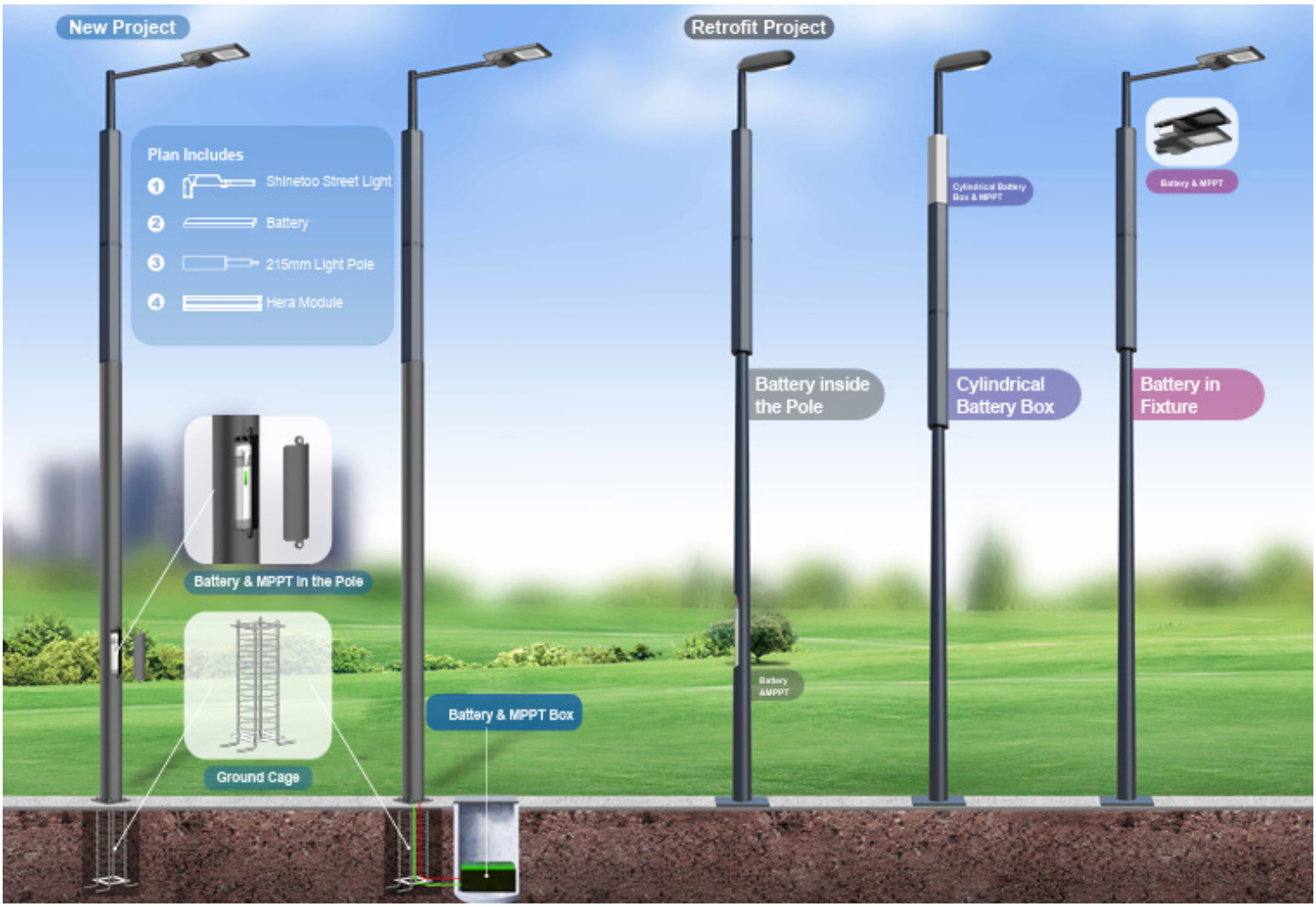
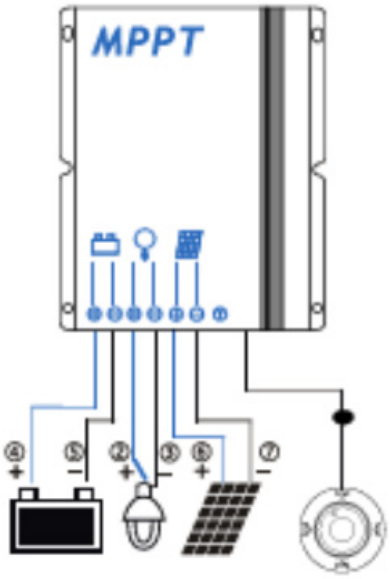


Solar Charge Controller



- Innovative MPPT Power Point Tracking Technology – Tracking efficiency >99%
- Automatic System Voltage Recognition – Supports 12V and 24V systems
- Full Digital Control – High charge and discharge conversion efficiency up to 96%
- Motion Detection Dimming – Adaptive light output based on pedestrian motion
- Precision Constant Current Control – Supports output from 50mA up to 3000mA
- External Temperature Sensor – Improves system stability and battery protection
- 5-Step Dimming Control – Programmable from 0% to 100% output levels
- IP67 Aluminum Housing – Strong, durable, and weather-resistant enclosure
- Remote Control Operation – Allows wireless system adjustments
- Low Voltage Disconnect (LVD) & Reconnect (LVR) – Protects battery life and system longevity
- Fully Automated Electronic Protection – Safeguards against overcharge, over-discharge, and system faults