

JUNO LED Solar Street Light

Juno solar street light combines sleek design with advanced functionality. With its customizable height, the Juno 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



JUNO 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

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(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



Module Size Guide

Parameters				
Model Number	DV-JUNO-SSL-20W	DV-JUNO-SSL-30W	DV-JUNO-SSL-D20W	DV-JUNO-SSL-D30W
Height (ft)	19.685	26.2467	32.8084	39.3701
Mounting	Direct bury, base plate mount			
Light Module				
LED Chips	CREE / OSRAM / LUMILEDS / Nichia / SOUL			
Power Consumption	20W	30W	20W x2	30W x2
Output	110-150lm/W			
Light Distribution	T2 T3			
Color Temperature (CCT)	2700K-6500K			
Runtime	STD-4 Step Dimming			
Materials				
Body / Lens	Die Cast ADC12+Extrusion Aluminum 6063 housing, Glass lens			
Finish	Black / Silver/ Custom			
Protection	IP65, IK08			
Operating Temp	-13 °F – 113 °F			
Warranty	5-10 years			
Battery				
Type	LifePo4 Passive Cell balancing technology / Individual cell monitoring / Deeper discharge cycles			
Capacity	12.8V 40Ah	12.8V 50Ah	12.8V 40Ah x2	12.8V 50Ah x2
Cycles	3000			
Solar Module				
Watt (Pmax)	200W HPBC		200W HPBC x2	
Optional	Stainless steel bird spikes			
Dimensions	Ø 10.433x50.629			



DV-JUNO-SSL-20W



DV-JUNO-SSL-30W



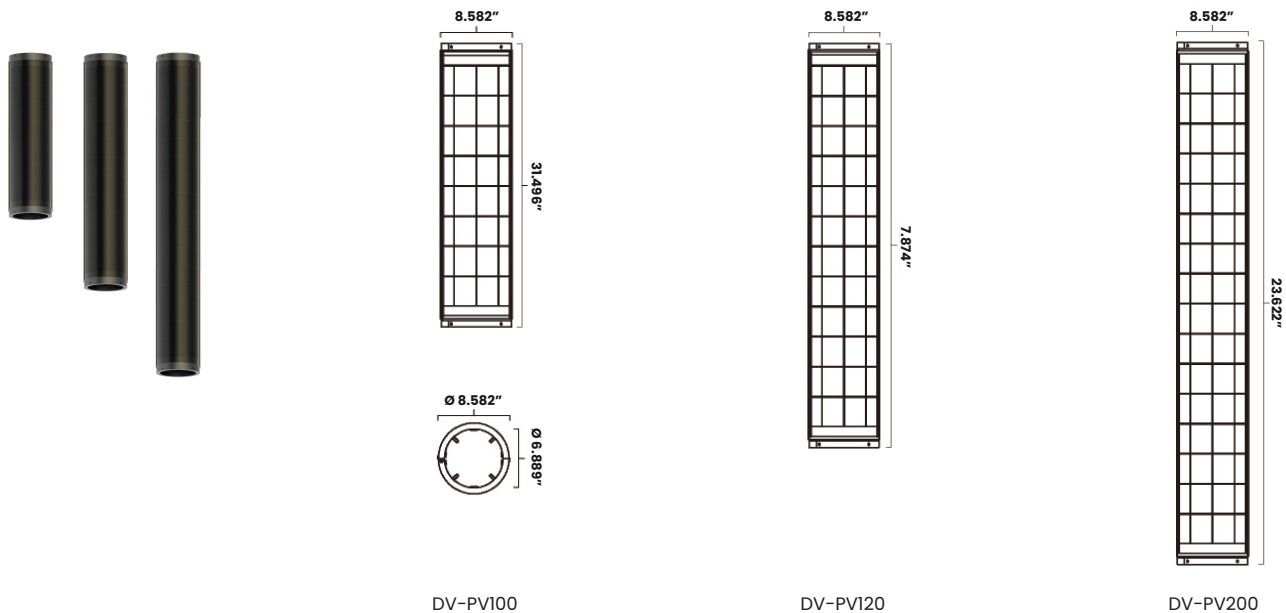
DV-JUNO-SSL-D20W



DV-JUNO-SSL-D30W

Solar Module – Specification

Parameters			
Model Number	DV-PV100	DV-PV150-18	DV-PV200-18
Peak Power/Pmax	100Wp	150Wp	200Wp
Peak Voltage/Vmp	18.83	18.83	18.83
Open Circuit Voltage/Voc	22	22	22
Peak Current/Imp	5.31	6.37	8.5
Short Circuit Current/Isc	5.63	6.75	9
Cell Conversion Efficiency		>26%	
Operating Temp		-40°F – 185°F	
System Volatage		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 Connexion Qty		5	
Dimensions (in)	Ø 10.43 x 32.086	Ø 10.43 x 36.141	Ø 10.4 x 50.629
Pole Diameter Range (in)		Ø 60 x Ø 66.147	
PV Panel Weight (lbs)		23.14	29.762
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	

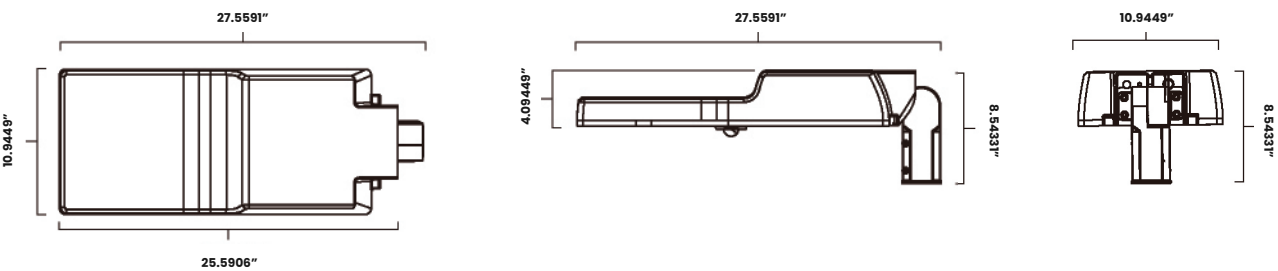


Apollo LED Light Options

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



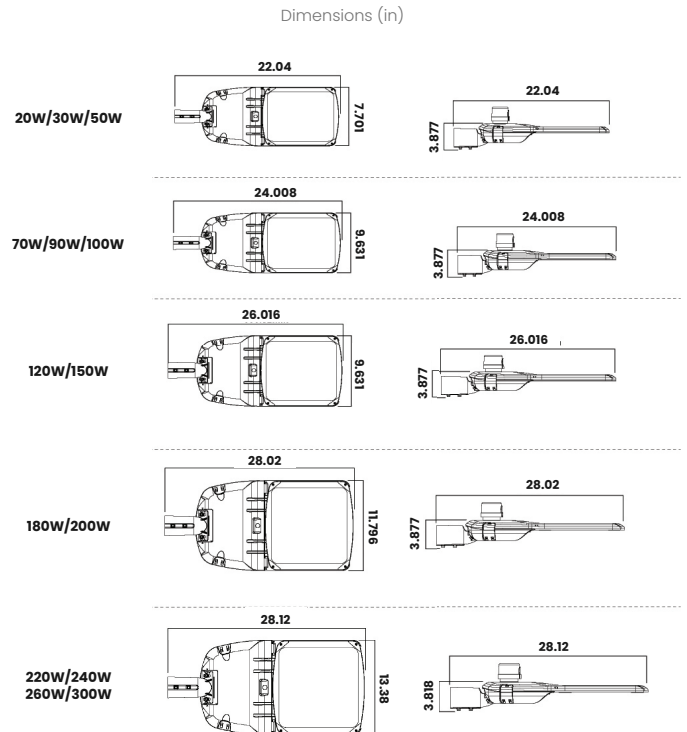
Dimensions



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

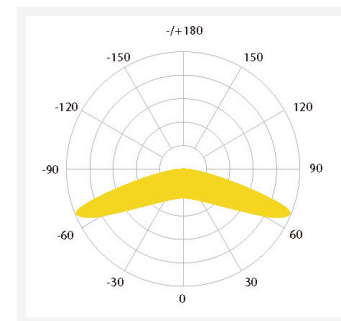


LED Light Options

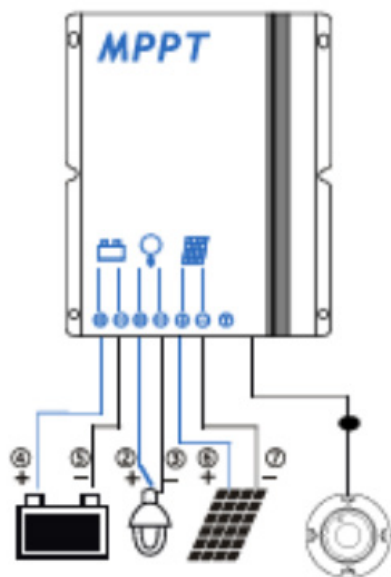
Model Number	Volatage	Wattage
DV-LSL20-XX-YY	DC 24V	20
DV-LSL30-XX-YY	DC 24V	30
DV-LSL50-XX-YY	DC 24V	50
DV-LSL70-XX-YY	DC 24V	70
DV-LSL90-XX-YY	DC 24V	90
DV-LSL100-XX-YY	DC 24V	100
DV-LSL120-XX-YY	DC 24V	120
DV-LSL150-XX-YY	DC 24V	150
DV-LSL180-XX-YY	DC 24V	180
DV-LSL200-XX-YY	DC 24V	200
DV-LSL220-XX-YY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



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