



Series: **SPLS-12VDC**

Solar Powered Lighting System with 3-day Reserve Power



FEATURES & BENEFITS

- 42 Hr Minimum System Reserve Power
- Provides Lighting In Remote Locations
- Includes Light Assembly & Day/Night Controls
- Pre-assembled, Pre-wired, Ready-To-Install
- Deep-cycle Maintenance Free Battery

APPLACATIONS

- Storage Yards, Marinas & Docks
- Pathways & Trails, Private Roadways
- Transit Shelters, Business Signs
- Security & Surveillance

DESCRIPTION

Series SPLS-12VDC Series features pre-packaged, ready-to-install, rainproof, solar powered lighting for remote applications such as security and surveillance. These models provide the proper charging and power conditioning for 12 Volt deep-cycle batteries to power the included LED flood light. Models come equipped with flood light, motion switch, automatic day/night control, battery, solar panel, weatherproof enclosure brackets and hardware. All models provide 42 Hrs backup reserve power.

Solar Panel

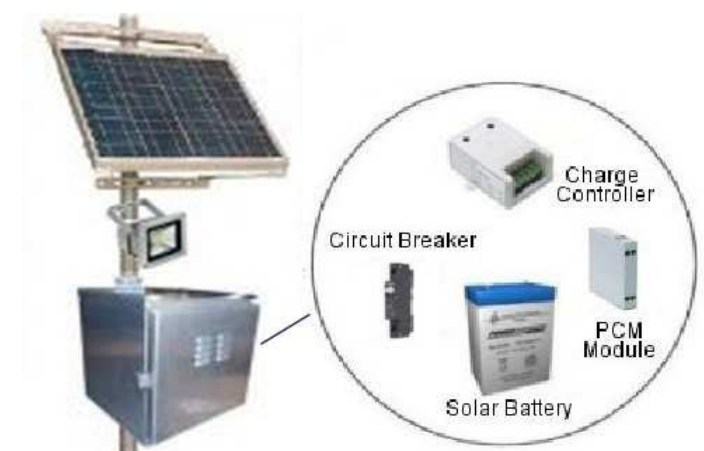
High performance design that provide excellent low light performance. Panels feature a heavy duty extruded aluminum frame with high transparency, low-iron tempered glass.

Charge Controller

Specifically designed for 12 Volt System charging, the controller in this system features precise voltage and current regulation and over voltage cut off protection.

Deep-cycle SLA Battery

Maintenance free, long life, high-energy sealed Lead Acid design provides years of reliable service under the most extreme conditions.



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GENERAL SPECIFICATIONS

Operating Temperature: -40 to 140 °F (-40 to 60 °C)

Enclosure: Aluminum, Rainproof

Minimum Battery Reserve Time: 42 Hrs

Estimated Battery Life: 4+ Years*

Installation: Side of Pole, Roof or Wall Mounted

Complete System Includes Solar Panel, Charge Controller, Deep-cycle Battery, weatherproof Metal Enclosure, Earth Grounding Kit, Solar Power Cables, Flood Light, Panel and Enclosure Mount.

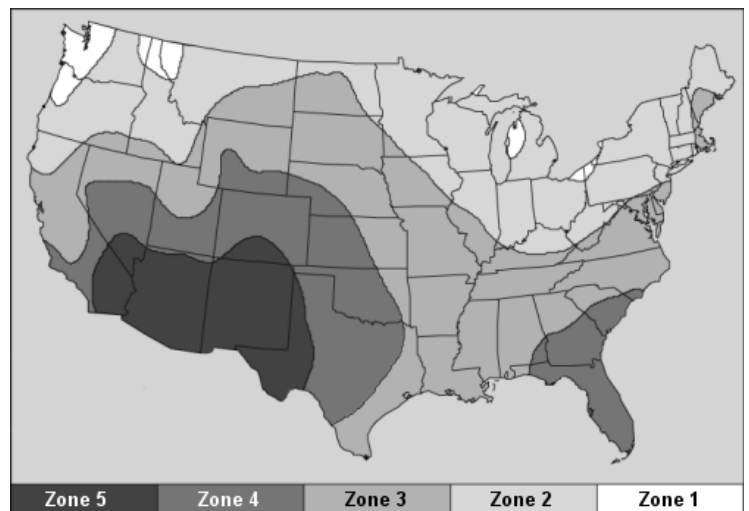
How to Select the Correct Solar Powered System for Your Application

1. Identify the zone your system will be installed from the map on the right.
2. Estimate the lighting requirement for your application.
3. Use the chart below to locate the correct "Code" letter and select your model number.

Example:

You require at least 1600LM for your application.

Based on this example you would pick:
Letter Code "B1" for Zones 5 or 4, "B2" for Zones 2 or 3, "B3" for Zone 1.



Lighting Requirement	10W, 750-850LM	20W, 1500-1700LM	30W, 2200-2400LM
Zone 1	A3	B3	C3
Zone 2	A2	B2	C2
Zone 3	A2	B2	C2
Zone 4	A1	B1	C1
Zone 5	A1	B1	C1

Model Number	SPLS-12VDC-60W-75	SPLS-12VDC-80W-75	SPLS-12VDC-100W-75
Output Capacity (Letter Code)	A2	A2	A3
Solar Panel Capacity	60 Watt, 18V	80 Watt, 18V	100 Watt, 18V
Charge Controller	10 A	10 A	10 A
LED Flood Light	12V, 10 Watts	12V, 10 Watts	12V, 10 Watts
Battery Capacity	12V, 75 Ah	12V, 75 Ah	12V, 75 Ah
Enclosure Size	16 x 16 x 10" (406 x 406 x 254 mm)	16 x 16 x 10" (406 x 406 x 254 mm)	16 x 16 x 10" (406 x 406 x 254 mm)

Model Number	SPLS-12VDC-100W-110	SPLS-12VDC-120W-110	SPLS-12VDC-140W-110
Output Capacity (Letter Code)	B1	B2	B3
Solar Panel Capacity	100 Watt, 18V	120 Watt, 18V	140 Watt, 18V
Charge Controller	10 A	10 A	10 A
LED Flood Light	12V, 10 Watts (x2)	12V, 10 Watts (x2)	12V, 10 Watts (x2)
Battery Capacity	12V, 55 Ah (x2)	12V, 55 Ah (x2)	12V, 55 Ah(x2)
Enclosure Size	18 x 18 x 18" (457 x 457 x 457 mm)	18 x 18 x 18" (457 x 457 x 457 mm)	18 x 18 x 18" (457 x 457 x 457 mm)

Model Number	SPLS-12VDC-140W-200	SPLS-12VDC-160W-200	SPLS-12VDC-180W-200
Output Capacity (Letter Code)	C1	C2	C3
Solar Panel Capacity	140 Watt, 18V	160 Watt, 18V	180 Watt, 18V
Charge Controller	20 A	20 A	20 A
LED Flood Light	12V, 10 Watts (x3)	12V, 10 Watts (x3)	12V, 10 Watts (x3)
Battery Capacity	12V, 100 Ah(x2)	12V, 100 Ah(x2)	12V, 100 Ah(x2)
Enclosure Size	18 x 18 x 18" (457 x 457 x 457 mm)	18 x 18 x 18" (457 x 457 x 457 mm)	18 x 18 x 18" (457 x 457 x 457 mm)

*Battery life is dependent on total system load, depth of charge cycles and ambient temperature conditions.

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e-mail: info@imagineinstruments.com :: www.imagineinstruments.com

Note: Continued product improvements make specifications subject to change without notice.
Check www.imagineinstruments.com for the latest product information and updates

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