SOLARLAND® USA
Solar Technology and Solutions

OFF GRID SOLAR SPECIALISTS
2016

1.800.605.9718
www.solarlandusa.com
sales@solarlandusa.com

Nature & Future
SOLAR TECHNOLOGY & SOLUTIONS

SOLARLAND® USA
Solar Technology and Solutions

New Factory-July 2015
300MW Capacity with automated production

COMPANY INTRODUCTION

SOLARLAND®
Solar Technology and Solutions

Founded in 2003, **Solarland** has evolved to meet the ever increasing demand for solar energy products and power solutions. Our commitment and partnerships with our customers, together with continuous investment in facilities, equipment and technology, have made Solarland a market leader.

SOLARLAND® USA
Solar Technology and Solutions

SOLARLAND USA is the factory owned exclusive distributor of Solarland® products in North America.

Small Panel Manufacturing   Marketing & Sales

US Warehouse - Ontario, California

HUMANITARIAN PROGRAMS

Solarland® is dedicated to bringing solar light & power solutions to the over 1.6 billion people who still have no access to an effective power/light source. Working with global corporations & partnering with various humanitarian organizations, we have developed innovative, effective products & solutions meeting different needs in different parts of the world. Our lighting & power solutions have been successfully implemented all around the world!

Solarland® continues to follow its corporate philosophy and mission: **HUMAN, PEACE, SHARE, bringing green energy solutions to the world!**

SOLAR PANELS

The Solarland solar panels are designed and manufactured to meet all required certifications.

Our 3 stage 'Flash Test' quality control process ensures all panels are flash tested at critical times in the manufacturing process.

Manufactured using only the highest quality components, our panel designs provide optimized module life and performance. Our panels have been utilized in many stand-alone and remote applications and our reliability has been proven time and again.
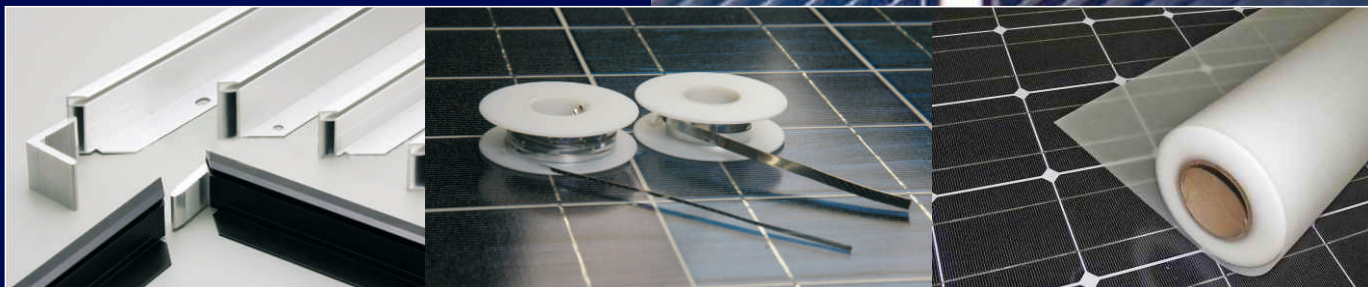
KEY COMPONENTS:

Glass:	High Transparent, low iron temepered glass (3.2mm) 1/8"
Encapsulent:	EVA
Back Cover:	White Polyester TPT
Frame:	Heavy-duty, silver anodized aluminum
Junction Boxes:	A wide range of junction boxes are used depending on application and panel size.

WARRANTY:

Workmanship:
2 Years

90% Power Output:
10 Years

CERTIFICATIONS

The Solarland factories have a proud record of meeting the standards required by the reknown organizations below.

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02

SOLARLAND® USA
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Off Grid Solar Panels

Solarland® offers a wide range of poly-crystalline and mono-crystalline panels designed for both on-grid and off-grid applications. All panels are constructed with the highest quality components and are certified by the various renown organizations listed above.

All panels are designed and built in accordance with the CE IIEC61215:1995 standard and UL1703 standard.

Model No.	Production Code	Replaces/Comment	Dimensions (mm/inches)			Junction Box	Pmax (W)	Vmp (V)	Imp (A)	Voc (V)	Isc (A)	Case	Pallet
			L	W	H								
SLP003-12	030011201A		195 (7.68")	188 (7.40")	18 (0.71")	Std	3	17.2	0.18	21.6	0.21	10	1440
SLP005-06U	005010602		222 (8.74")	270 (10.63")	18 (0.71")	Std	5	8.6	0.58	10.5	0.67	10	840
SLP005-12	005011201A		222 (8.74")	270 (10.63")	18 (0.71")	Std	5	17.2	0.29	21.6	0.34	10	840
SLP005-12U-W		With 3ft 20AWG 2 Core Cable	222 (8.74")	270 (10.63")	18 (0.71")	None	5	17.2	0.29	21.6	0.34	10	840
SLP010-12U	010011201B		302 (11.89")	357 (14.06")	30 (1.18")	Std	10	17.2	0.58	21.6	0.68	10	460
SLP020-12U	020011201		576 (22.68")	357 (14.06")	30 (1.18")	Std	20	17.2	1.16	21.6	1.31	5	250
SLP020-24U	020012401		576 (22.68")	357 (14.06")	30 (1.18")	Std	20	34.4	0.58	43.2	0.63	5	250
SLP030-12U	030011201B		541 (21.30")	510 (20.08")	30 (1.18")	Std	30	17.2	1.74	21.6	1.93	2	184
SLP030-24U	030012401		541 (21.30")	510 (20.08")	30 (1.18")	Std	30	34.4	0.87	43.2	0.96	2	184
SLP045-12U	045011203A	SLP040-12U	534 (21.02")	675 (26.57")	30 (1.18")	Std	45	17.2	2.62	21.6	2.92	2	126
SLP055-12U	055011204	SLP050-12U	654 (25.75")	675 (26.57")	30 (1.18")	Std	55	17.2	3.20	21.6	3.56	2	112
SLP070-12U	070011203A	SLP060-12U	774 (30.47")	675 (26.57")	30 (1.18")	Std	70	17.2	4.07	21.6	4.35	2	80
SLP070-12M	070011208	SLP065-12M	1475 (58.07")	342 (13.46")	40 (1.57")	Conduit Ready	70	17.2	4.07	21.6	4.51	1	68
SLP085-12U	085011217C	New Short Length	940 (37.01")	675 (26.57")	30 (1.18")	Std	85	17.2	4.94	21.6	5.50	1	52
SLP085-24U	085012417		940 (37.01")	675 (26.57")	30 (1.18")	Std	85	34.4	2.74	43.2	2.75	1	52
SLP090-12M	090011218	SLP085-12M	1300 (51.18")	528 (20.79")	50 (1.97")	Conduit Ready	90	17.2	5.23	21.6	5.81	1	41
SLP100-12U	100011206C	New Short Length	1062 (41.81")	675 (26.57")	30 (1.18")	Std	100	17.2	5.81	21.6	6.46	1	50
SLP120-12U	120011203C	New Short Length	1244 (48.97")	675 (26.57")	35 (1.38")	Std	120	17.2	6.98	21.6	7.72	1	37
SLP120-24U	120012403A	New Short Length	1244 (48.97")	675 (26.57")	35 (1.38")	Std	120	34.4	3.49	43.2	3.86	1	37
SLP140-12	140011203	Full Cell Design	1500 (59.06")	675 (26.57")	35 (1.38")	Std	140	17.2	8.14	21.6	9.05	1	37
SLP160S-12	160021203		1500 (59.06")	675 (26.57")	35 (1.38")	Std	160	18.2	8.80	21.9	9.60	1	37
SLP180-24	180012405		1484 (58.42")	992 (39.06")	45 (1.77")	Std	180	34.4	5.23	43.2	5.81	2	32

Limited Warranty: 2 Year Materials/Workmanship; 10 Years Power Output (Full Warranty Details Available Upon Request)

03
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CERTIFIED TO:
UL1703   CUL1703

Off Grid Solar Panels

CSA CERTIFIED FOR CLASS 1 DIVISION 2
GROUPS A, B, C & D, T3 HAZARDOUS ENVIRONMENTS

The Solarland® range of Class 1 Division 2 modules offer outstanding performance and reliability in the most demanding applications.

50mm Frame Depth   Hint: The CSA panels with a production code ending with "234" are 50mm frames.

Panels listed on this page have been developed specifically for the Oil & Gas Industry.

CSA C1D2 Panels - 50mm Frames

Model No.	Production Code	Dimensions (mm/inches)			Junction Box	Max System Voltage(V)	Max. Pulse Current Rating(A)	Pmax (W)	Vmp (V)	Imp (A)	Voc (V)	Isc (A)	Case	Pallet
		L	W	H										
SLP020-12	020011234	425 (16.73")	502 (19.76")	50 (1.97")	Conduit Ready	600	3.0	20	17.2	1.16	21.6	1.31	4	160
SLP045-12	045011234	655 (25.78")	537 (21.14")	50 (1.97")	Conduit Ready	600	3.0	45	17.2	2.62	21.6	2.92	4	104
SLP060-12	060011234A	839 (33.03")	537 (21.14")	50 (1.97")	Conduit Ready	600	3.0	60	17.8	3.37	22.0	3.64	4	80
SLP075-12	075011234A	1012 (39.84")	502 (19.76")	50 (1.97")	Conduit Ready	600	3.0	75	18.4	4.08	22.0	4.51	2	68
SLP090-12	090011234	1209 (47.6")	537 (21.14")	50 (1.97")	Conduit Ready	600	3.0	90	17.6	5.11	21.8	5.51	2	46
SLP150-12	150011234	1500 (59.05")	675 (26.57")	50 (1.97")	Conduit Ready	600	3.0	150	18.5	8.11	22.2	8.68	1	31

Cables: These panels do not come with cables. We recommend the following cables:

SLCBL-19	3 Feet #10AWG Cable with MC4 Male Connector/Open End	
SLCBL-20	3 Feet #10AWG Cable with MC4 Female Connector/Open End	Other cable lengths are available, see page 10 for full listing

Solarland Pro Charge Junction Box Used On All C1D2 panels
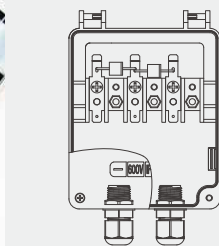
Recommended Wall/Pole Mounts

Model No.	Production Code	Mount		
		SLB-0112	SLB-0113	SLB-0114
SLP020-12	020011234	√		
SLP045-12	045011234	√	√	
SLP060-12	060011234A		√	
SLP075-12	075011234A		√	
SLP090-12	090011234		√	
SLP150-12	150011234			√

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Off Grid Solar Panels

CSA CERTIFIED FOR CLASS 1 DIVISION 2
GROUPS A, B, C & D, T3 HAZARDOUS ENVIRONMENTS

The Solarland® range of Class 1 Division 2 modules offer outstanding performance and reliability in the most demanding applications.

30/35mmmm Frame Depth Hint: The CSA panels with a production code ending with "232" are 30/35mm frames

CSA CERTIFIED FOR CLASS 1 DIVISION 2

Model No.	Production Code	Dimensions (mm/inches)			Junction Box	Max System Voltage(V)	Max. Pulse Current Rating(A)	Pmax (W)	Vmp (V)	Imp (A)	Voc (V)	Isc (A)	Case	Pallet
		L	W	H										
SLP075-12	075011232A	774 (30.47")	675 (26.57")	35 (1.38")	Conduit Ready	600	3.0	75	18.4	4.08	22.1	4.51	2	68
SLP090-12	090011232A	940 (37.01")	675 (26.57")	35 (1.38")	Conduit Ready	600	3.0	90	17.9	5.03	22.1	5.43	2	60
SLP100-12	100011232	1062 (41.81")	675 (26.57")	35 (1.38")	Conduit Ready	600	3.0	100	18.3	5.46	22.1	5.89	2	60
SLP150-12	150011232	1500 (59.06")	675 (26.57")	35 (1.38")	Conduit Ready	600	3.0	150	18.5	8.11	22.2	8.68	2	48

Cables: These panels do not come with cables. We recommend the following cables:

SLCBL-19	3 Feet #10AWG Cable with MC4 Male Connector/Open End
SLCBL-20	3 Feet #10AWG Cable with MC4 Female Connector/Open End

Other cable lengths are available, see page 11 for full listing

The 4 panels listed above all work with the SLB-0114 Wall/Side of Pole Mount

CSA CERTIFIED   These panels are not for Hazardous environments

Model No.	Production Code	Dimensions (mm/inches)			Junction Box	Max System Voltage(V)	Max. Pulse Current Rating(A)	Pmax (W)	Vmp (V)	Imp (A)	Voc (V)	Isc (A)	Case	Pallet
		L	W	H										
SLP012-12	012011232	302 (11.89")	357 (14.06")	30 (1.18")	Standard	600V	3.0	12	17.0	0.70	21.6	0.77	10	460
SLP025-12	025011232A	576 (22.68")	357 (14.06")	30 (1.18")	Standard	600V	3.0	25	18.0	1.39	21.7	1.49	5	220
SLP030-12	030011232A	675 (26.57")	357 (14.06")	30 (1.18")	Standard	600V	3.0	30	17.6	1.71	21.6	1.84	5	175
SLP050-12	050011232A	534 (21.02")	675 (26.57")	35 (1.38")	Standard	600V	3.0	50	18.0	2.78	22.0	2.98	2	108
SLP060-12	060011232A	654 (25.75")	675 (26.57")	35 (1.38")	Standard	600V	3.0	60	17.8	3.37	22.0	3.64	2	96

Solarland Pro Charge Junction Box Used on All CSA Certified Panels

Recommended Pole/Wall Mounts

Model No.	Production Code	SLB-0112	Mount SLB-0113	SLB-0114
SLP012-12	012011232	√		
SLP025-12	025011232A	√	√	
SLP030-12	030011232A		√	
SLP050-12	050011232A		√	
SLP060-12	060011232A		√	√

05

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Universal Single Panel Pole/Wall Mounts

The SLB mounting kits are designed for use with the Solarland SLP Series solar panels, but can be easily adapted to work with most other brands of solar panel. All kits include stainless steel hardware.

U-Bolts and Hose Clamps Available Separately and are NOT supplied with the kits.

UNIVERSAL POLE/WALL MOUNTS

SLB-0102	SLBRKT-17	SLB-0103	SLB-0119	SLB-0120
Z Bracket	Z Bracket	Tilt Style	Clamp Style	L Bracket - Clamp Style
All Panel Sizes	All Panel Sizes	45W - 150W Panels	3W - 5W Panels	10W - 25W Panels
Large Z Kit of 4	Small Z Kit of 4	Tilt Mount Kit	Aluminum	Suits Panels 357mm(14.05") Wide
Aluminum	Aluminum	Aluminum		Aluminum

SLBRKT-02	SLB-0112	SLB-0113	SLB-0114	U-Bolts
L Bracket - Clamp Style	Pole - Single Arm	Pole - Double Arm	Pole - Double Arm	Sold Separately
10W - 25W Panels	10W - 30W Panels	40W - 95W Panels	40W-150W Panels	To suit 1.5" - 6" Poles
Suits Panels 357mm (14.05") Wide	Suits Panels 540mm(21.65") Wide	Suits Panels 540mm(21.65") Wide	Suits Panels 675mm (26.57") Wide	Zinc Plated
Anodized Aluminum	Aluminum	Aluminum	Aluminum	Plate & 2 Nuts Included

STAINLESS STEEL MARINE PANEL MOUNTS

Flat Bar Mount Kits

Specifically designed to work with the Solarland SLP Series Panels.

SLBRKT-08: Used with Solarland 10W - 20W Panels

SLBRKT-10: Used with Solarland 30W Panel

SLBRKT-11: Used with Solarland 45W - 150W Panels

SLBRKT-13: Used with Solarland 70W Skinny Panel

SLBRKT-16 Stanchion Mount

Tilting mount kit for use with the flat bar mounts.

Hose Clamps:

SLHC-36	#36 1-13/16 -2-3/4
SLHC-44	#44 2-5/16 – 3-1/4
SLHC-52	#52 2-13/16 – 3-3/4
SLHC-60	#60 3-516 – 4-1/4
SLHC-72	#72 4-1/8 – 5

U-Bolts:

SLUB-0001	1.5" Pole
SLUB-0002	2" Pole
SLUB-0003	3" Pole
SLUB-0004	4" Pole
SLUB-0005	5" Pole
SLUB-0006	6" Pole
SLUB-0007	1 3/4" Pole - Use with SLB-0120

UNIVERSAL ABS MOUNTS (MARINE & RV)

SLB-0115	SLB-0117	SLB-0116	SLB-0118
Corner Kit	Corner Kit	Side Kit	Side Kit
Black	White	Black	White

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Panel Mount Guide

The guide pairs each panel model with its compatible mounting options. Each mounting option and its category is listed below:

- **SLB-0102** — Universal - Flush / Large Z Brackets / Aluminum
- **SLBRKT-17** — Universal - Flush / Small Z Brackets / Aluminum
- **SLB-0103** — Tilt / Wall & Roof / Aluminum
- **SLB-0119** — Clamp Style / Wall & Side of Pole / Aluminum
- **SLB-0120** — Tilt / Wall & Roof / Aluminum
- **SLBRKT-02** — Clamp Style / Wall & Side of Pole / Anodized
- **SLB-0112** — Single Arm / Wall & Side of Pole / Aluminum (Panels up to 540mm Wide)
- **SLB-0113** — Double Arm / Wall & Side of Pole / Aluminum
- **SLB-0114** — Double Arm / Wall & Side of Pole / Aluminum (Panels up to 675mm Wide)

Model No.	Production #	SLB-0102	SLBRKT-17	SLB-0103	SLB-0119	SLB-0120	SLBRKT-02	SLB-0112	SLB-0113	SLB-0114
SLP003-12	030011201A		✓		✓					
SLP005-06U	005010602		✓		✓					
SLP005-12	050011201A		✓		✓					
SLP010-12U	010011201B	✓	✓			✓	✓	✓		
SLP020-12U	020011201	✓	✓			✓	✓	✓		
SLP020-24U	020012401	✓	✓			✓	✓	✓		
SLP030-12U	030011201B	✓	✓					✓		
SLP030-24U	030012401	✓	✓					✓		
SLP045-12U	045011203A	✓	✓						✓	✓
SLP055-12U	055011204	✓	✓	✓					✓	✓
SLP070-12U	070011203A	✓	✓	✓					✓	✓
SLP070-12M	070011208	✓	✓	✓					✓	
SLP090-12MKCT	090011209	✓	✓	✓						✓
SLP085-12U	085011217C	✓	✓	✓						✓
SLP090-12M	090011218	✓	✓	✓					✓	✓
SLP100-12U	100011206C	✓	✓	✓						✓
SLP110-12U	110011206A	✓	✓	✓						✓
SLP120-12U	120011203C	✓	✓	✓						✓
SLP120-24U	120012403	✓	✓	✓						✓
SLP140-12U	140011203A	✓	✓	✓						✓
SLP160S-12	160021203									✓

Panels up to 540mm Wide — SLB-0112
Panels up to 675mm Wide — SLB-0114

Our Mounts Are Universal & Can be Used With Most Panel Brands

07

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Solar Controller

We offer a wide range of solar controllers utilizing PWM and MPPT technology. These controllers are highly efficient and are ideal for many off grid applications including RV, Boat, Cabins, Telecommunications and small industrial.

NR SERIES - PWM Charge Controller

Features:
- Highly Efficient PWM Charge Controller
- Convenient ON/OFF switch
- LED Display Show System Status
- Automatic 12V/24V Detection

Protections:
- Reverse Polarity
- High/Low Voltage
- High Current
- Short Circuit

2 Models Offered:

SLC-NR2410A 12V/24V 10A Controller	SLC-NR2420A 12V/24V 20A Controller

Simple, affordable controller designed for smaller off-grid applications.
Utilizes industrial grade MCU SCM with high performance, efficiency and quality.

Features:
- 1A USB Output
- Tandem charging improves efficiency by up 6%
- 12V Only

Protections:
- Reverse Polarity
- High/Low Voltage
- High Current
- Short Circuit

1 Model Offered:

SLC-NR1012UH 12V 10A Controller

NR SERIES - PWM Charge Controller(USB Mode)

MPPT SERIES - MPPT Charge Controller

Features:
- Increases Charging Efficiency by up to 30%
- Highly Efficient MPPT Charge Controller
- Simple LED Display
- Automatic 12V/24V Detection

Protections:
- Reverse Polarity
- Overcharge
- Overdischarge
- Overload
- Short Circuit

2 Models Offered:

SLC-MPPT1024 12V/24V 10A Controller	SLC-MPPT2024 12V/24V 20A Controller

An affordable MPPT (Maximum Power Point Tracking) controller.
Up to 30% more efficient as compared with similar PWM type controllers.

GP SERIES - PWM Charge Controller

Features:
- Highly Efficient PWM Charge Controller
- Simple Button Operation
- LCD Display Show System Status
- Automatic 12V/24V Detection

Protections:
- Reverse Polarity
- High/Low Voltage
- High Current
- Short Circuit

2 Models Offered:

SLC-GP2024 12V/24V 20A Controller	SLC-GP3024 12V/24V 30A Controller

An intelligent, multi-purpose solar charge controller with a user friendly LCD display
Controller parameters can be adjusted to meet application requirements.

PHOCOS CIS Charge Controller

Industrial grade controller suitable
for most extreme working conditions.

Features:
- Robust Aluminum Housing, IP68 Encapsulated
- 4 Stage PWM Series
- Automatic 12V/24V Detection
- Low Voltage Disconnect
- Flexible Load Timer Functions
- Programable Using Remote SLC-CIS-CU

Models Offered:

SLC-CIS-N-05-1.0 12V/24V 5A Controller

SLC-CIS-N-10-1.0 12V/24V 10A Controller

SLC-CIS20-1.1 12V/24V 20A Controller

SLC-CIS-CU IR Programmer

PHOCOS CML Charge Controller

A sophisticated, low cost controller. Micro-controller provides
high-efficiency charging and a number of outstanding
status display, warning and safety functions.
For LCD display pair this item with the SLC-SMM unit.

Features:
- PWM Series, No Regulation
- Automatic 12/24V Detection
- Accoustic Load Disconnect Warning
- Integrated Temperature Compensation
- 3 LED Indicators
- Can Be Used With CMM Remote Display

Models Offered:

SLC-CML20-2.1 12V/24V 20A Controller

SLC-CML15-2.1 12V/24V 15A Controller

PHOCOS CMM Remote Display

Remote display for use with the SLC-CML controllers.
Displays panel current, load current and battery
voltage of the PV system as true values.

Features:
- 3 Digit LCD Display
- 3 Position Switch to Select Value for Display
- DIN Rail Mount Ready

Models Offered:

SLC-CMM

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Solar Controller

Blue Sky ENERGY

GENASUN

Made in the USA | 5 years Warranty

The Blue Sky and Genasun family of solar controllers are proven for reliability, quality and cost effectiveness. The MPPT models are patented and provide excellent, versatile performance. The latest models offer lithium battery charging capability.

SLC-SC30 Charge Controller

Features:

- Entry level PWM controller charges 12V batteries at up to 30A
- Flush mount design and LED display make this ideal for RV and Marine applications

- 12V PWM Controller
- Maximum PV Voltage 24V
- Maximum PV Power 450W
- 3-Stage, Plus Equalization
- Digital Display

1 Model Offered:

SLC-SC30

Flush mount for RV/Marine applications

SLC-SB3000i Charge Controller

Features:

- Featuring patented MPPT technology the SB3000i charges 12V batteries at up to 30A from conventional 36 cell PV modules.
- Up to 30% more efficient as compared with similar PWM controllers.

- 12V MPPT Controller
- Maximum PV Voltage 40V
- Maximum PV Power 400W
- 3-Stage, Plus Equalization
- Digital Display
- Remote Display Option

1 Model Offered:

SLC-SB3000i

Flush mount for RV/Marine applications

65W/5A/12VDC MPPT Controller w/LVD

Features:

- 99.85% Peak Efficiency
- Electrolytic-Free, Ceramic Capacitors
- Doesn't wear out from heat

- High-Speed MPPT
- Advanced electronic protections
- 10 Year Warranty

1 Model Offered:

SLC-GV-5-Pb-12V

Use with 12V Lead Acid/AGM/Gel/Sealed/Flooded

65W/5A/12VDC MPPT Controller

Features:

- 99.85% Peak Efficiency
- Electrolytic-Free, Ceramic Capacitors
- Doesn't wear out from heat

- High-Speed MPPT
- Advanced electronic protections
- 10 Year Warranty

1 Model Offered:

SLC-GV-5-Li-14.2V

Use with Lithium Batteries

140W/10.5A/12VDC MPPT Controller
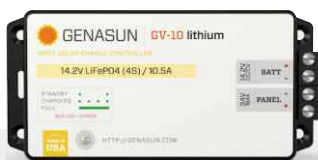
Features:

- 98.3% Peak Efficiency
- High-Speed MPPT
- Advanced electronic protections

- Tiny night consumption (0.9mA)
- Marine-Grade
- 5-Year Warranty

1 Model Offered:

SLC-GV-10-Pb-12V

Use with 12V Lead Acid/AGM/Gel/Sealed/Flooded

GV-BOOST CONTROLLERS

The industry's most efficient boost controllers.
These controllers boost lower-voltage solar panels up to charge higher voltage lithium batteries up to 48V nominal

Features:

- 99% Peak Efficiency
- Continuous MPPT
- Marine-Grade

- Advanced electronic protections
- 5-Year Warranty

Various Models Offered

105-350W Solar/LEAD ACID 12V/24V/36V/48V
CUSTOM LITHIUM VARIATIONS

MC4 Cables & Connectors

The Multi-Contact Solarline family of connectors delivers a flexible system solution for time saving, dependable cabling of solar panels. Most manufacturers provide the larger panels with cables and MC4 style connectors attached for simple plug and play. These are designed for up to 1,000 volts and 30 Amps.

We offer several configurations and options for parallel and series connections.

#10AWG Cable with MC4 Male & MC4 Female at either end	#10AWG Cable with MC4 Male with open end	#10AWG Cable with MC4 Female with open end	MC4 Connectors (Sold Separately)
SLCBL-01 6 Feet /SLCBL-02 15 Feet SLCBL-03 30 Feet /SLCBL-04 50 Feet SLCBL-05 100 Feet	SLCBL-19 3 Feet /SLCBL-21 10 Feet	SLCBL-20 3 Feet /SLCBL-22 10 Feet	SLCBL-08 Male /SLCBL-09 Female

MC4 Wrench	MC4 Parallel Connectors	MC4 Parallel Connectors Y Style - Flexible	MC4 Connector w/Diode
SLCBL-43	SLCBL-45 (Set 2)	SLCBL-46 (Set 2)	SLCBL-47

MC4 Parallel Connectors 3 Stage	MC4 Parallel Connectors X Style - Flexible	MC4 Branch Connector 1 Female/2 Male	MC4 Branch Connector 2 Female/1 Male
SLCBL-48 (Set 2)	SLCBL-49 (Set 2)	SLCBL-41	SLCBL-42

Cable Gland (White)	Cable Gland (Black)
SLCBL-51	SLCBL-52

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12VDC Solar Trickle Charger Kits
- Simple "Plug & Play" Designs

Ideal for charging and maintaining flooded lead acid 12V batteries. Works with automobile, tractor, RV, boat batteries and more!

SLCK-040-12 (Rigid Panel Design)

The 40W model is suited for 1 battery systems where energy demand is light. Can also be used for vehicles in storage to maintain batteries.

Kit Consists:
1 x SLP040-12U 40W/12V Solar Panel
1 x SLSC-02 Elite Battery Clamp Set
1 x SLC-1203B 3A PWM Solar Controller (Loose)
1 x Cloth Carry Case
15' Cable
Panel Size: 27" x 22" x 1.5"

Carton:30" x 5 " x 24"
Weight:17 lbs

This item can be shipped UPS

SLP090F-12S (Folding Panel Design)

The 90W model is suited for 1~2 battery systems where energy demand is light. Can also be used for vehicles in storage to maintain batteries.

This Unit Assembled In The USA!

Kit Consists:
2 x SLP045-12U 45W/12V Solar Panels (Hinged)
1 x SLSC-02 Elite Battery Clamp Set
1 x SLC-NR2410A PWM Controller
Waterproof Weather-Pack Connectors
1 x Hard Shell Carry Case
16' Cable w/inline Fuse
Panel Folded: 27" x 22" x 3.5" (27lbs)
Panel Open: 43" x 27" x 1.5"
Case: 28" x 24.5" x 5.3" (12lbs)

Carton:30" x 8 " x 27"
Weight:40 lbs

This item can be shipped UPS

SLP130F-12S (Folding Panel Design)

The 130W model is suited for 1~2 battery systems where energy demand is moderate. Can also be used for vehicles in storage to maintain batteries.

Kit Consists:
2 x SLP065-12U 65W/12V Solar Panels(Hinged)
1 x SLSC-02 Elite Battery Clamp Set
1 x SLC-1210 10A PWM Solar Controller(Mounted)
1 x Hard Shell Carry Case
16' Cable w/inline Fuse
Panel Folded: 40" x 21" x 3.5"(39lbs)
Panel Open: 41" x 40" x 1.5"
Case: 41" x 22" x 5"(17lbs)

Carton: 44" x 8 " x 26"
Weight: 50 lbs

This item can be shipped UPS

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12V VLRA Batteries
Valve Regulated Lead-Acid Batteries

The B&B range of maintenance-free VLRA batteries offer high power density & low self-discharge, thus providing exceptional performance while remaining economical to use.

Sealed Construction

The unique construction and sealing techniques ensure all B&B batteries are classified 'Non-Spillable" and meet all IATA requirements. (IATA Dangerous Goods Regulations)

Electrolyte Suspension System

All B&B batteries utilize an electrolyte suspension system consisting of a glass fiber separator material. This suspension system helps to achieve maximum service life, by fully retaining the electrolyte and preventing its escape from the separator material. No silica gel or other contaminants are used.

Maintenance Free Operation

The design and sealed nature of theses batteries allows them to be truly maintenance-free.

Low Pressure Venting System

A safe, low pressure venting system design is incorporated into all B&B batteries to release excess gas and reseal automatically. This venting system, coupled with the high recombination efficiency make B&B batteries one of the safest VLRA batteries available.

Heavy Duty Grids

The heavy duty lead calcium alloy grids provide an extra margin of performance and service life in both float and cyclic applications, even in conditions of deep discharge.

Series	SLUSA #	Ah Rating	Size (L x W x H)	Weight	Rating
BC	BB-BC12-12	12Ah	6" x 4" x 4"	9lbs	Good
BC	BB-BC17-12	17Ah	7.25" x 3" x 6.6"	13lbs	Good
BC	BB-BC40-12	40Ah	7.75" x 6.6" x 6.75"	28lbs	Good
BC	BB-BC75-12	75Ah	13.8" x 6.6" x 6.85"	45lbs	Good
BC	BB-BC100-12	100Ah	13" x 6.8" x 8.5"	63lbs	Good
BC	BB-BC200-12	200Ah	20.6" x 8" x 9.5"	122lbs	Good
BP	BB-BP12-12	12Ah	6" x 4" x 4"	9lbs	Better
BP	BB-BP65-12	65Ah	13.8" x 6.6" x 6.9"	50lbs	Better
BP	BB-BP100-12	100Ah	13" x 6.8" x 9.4"	73lbs	Better
BP	BB-BP200-12	200Ah	20.6" x 8" x 9.5"	136lbs	Better
EB	BB-EB12-12	12Ah	6" x 4" x 4"	9lbs	Best
EB	BB-EB50-12	50Ah	7.8" X 6.5" X 6.75"	37lbs	Best
MPL	BB-MPL55-12	55Ah	9" x 5.5" x 9"	40lbs	Best
MPL	BB-MPL80-12	80Ah	10.6" x 6.9" x 9"	58lbs	Best
MPL	BB-MPL90-12	90Ah	12.1" x 6.9" x 9.1"	66lbs	Best
MPL	BB-MPL110-12	110Ah	13" x 6.8" x 9.5"	76lbs	Best

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OUTDOOR ENCLOSURES

The Solarland SLENC outdoor enclosures are designed for applications that require a sturdy, weatherproof enclosure to house electronics and batteries.

Standard Features:
- UV Resistant Materials
- Lockable
- Gaskets Sealed Doors
- Wall or Pole Mount

SLENC-DC-1083 Die Cast Aluminum with Powder Coat Paint

Weather proofing	**Nema 4X/IP65**
Mounting	**Wall or Pole Mount - U-Bolts for up to 1.6" included**
Interior Mounts	**Qty 9 x 4mm threaded standoffs**
External Size	**11" x 8.5" x 3.5" (279 x 216 x 89mm)**
Internal Size	**10" x 7.75" x 3" (254 x 197 x 76mm)**
Weight	**4lb (1.8kg)**

Hardware Included

U-Bolts and Mount Kit
2 x Strain Relief
3 x Hole Plugs
1 x Aluminum Backplate

SLENC-PL-14105 Glass Filled Polycarbonate

Weather proofing	**Nema 3R/IP65**
Mounting	**Wall or Pole Mount with Hose Clamps - Not Included**
Interior Mounts	**Numerous Holes for 4mm Self-Tapping Screws/Standoffs**
External Size	**17.5" x 12.5" x 6" (445 x 318 x 152mm)**
Internal Size	**14" x 10" x 5" (356 x 254 x 127mm)**
Weight	**4lb (1.8kg)**

Pole Mount

Requires 2 x SLHC-ENC Hose
Clamps for Pole Mount
(Available Separately)

## SLENC-ST-231412 Powder Coated Steel

Weather proofing	**Nema 4X/IP65**
Mounting	**Wall or Pole Mount with Hose Clamps - Not Included**
Interior Mounts	**Removable Steel Backplate**
External Size	**24" x 15" x 14" (610 x 381 x 356mm)**
Internal Size	**23" x 14" x 12" (584 x 356 x 305mm)**
Weight	**55lb (25kg)**

Pole Mount

Requires 4 x SLHC-ENC Hose
Clamps for Pole Mount
(Available Separately)

This box is supplied with various hardware and accessories for mounting items inside the enclosure
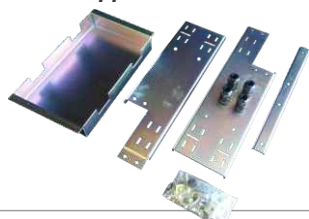
4 Cut-Outs for RJ45 Feedthrus (Included)
Removable Battery Shelf
DIN Rail Mounts on Interior Walls and Door

SOLAR LIGHTING,
SOLAR CHARGERS & ACCESSORIES

BSS-00318
Solar Lantern

USB For
Cell Charging

BSS-00508LJ
Solar Light Kit

USB For
Cell Charging

SDP-Y-30W
Cell Phone Charging Station

SLNP-E/500
Smart Power Manager
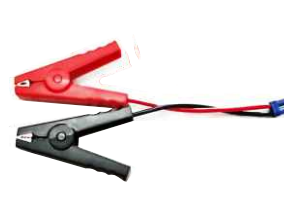
SDP-W-1
USB Mini Fan

SDP-W-4
10-IN-1 Cell Charger

SDP-Y-4
10-IN-1 Cell Charger (3 ft)

SLSC-02
Elite Battery Clamp (Set)

SLL-L1915/SLL-L1903
LED T5 Tube Assemblies

SLL-L2401D/SLL-L2403D/SLL-L2405D
LED Bulbs

SDP-W-5
12VDC E27 Socket

Use with SLL-L24 Series Bulbs

SLL-FL23350D-ST
50W LED Floodlight

SLAR-J45D
45L AC/DC Fridge Freezer

SLAR-J90D
90L AC/DC Fridge Freezer

SLCK-010-12
10W Trickle Charger

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Over the past 12 years **SOLARLAND** has become a truly global company with offices and partner locations in many countries.

Our network is rapidly expanding and we are seeking motivated organizations & individuals to join us in this journey!

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