Solar power doesn’t have to be complicated.

Whether you want to brew a cup of coffee, power up your tools or tune in to your favourite TV program, we can make the process as simple as turning on the switch.

Why use solar? Enjoy the sound of nature rather than a generator. Maintenance free, your RV solar system will pay for itself as it extends the life of your batteries and saves you campsites hook up fees.

Easy to install and easy to operate, you don’t need to be technically savvy to start using solar, we’ve got it covered.

Not sure how much power you need? Talk to your Dealer, try our online solar sizing calculator at www.samlexsolar.com, or call our live technical support team: 1-800-561-5885. You tell us what you want to power and we’ll tell you how.

Samlex is Persunally Solar made simple.
ALL-IN-ONE Solar Charging Kits

SRV Kits

Every SRV kit includes an industry leading 30 Amp flush mount charge controller, connecting wires, mounting brackets and hardware. All the parts you need to start using solar in a few simple steps.

Available in 100 and 150 Watts

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SOLAR PANEL</th>
<th>WEIGHT (KG)</th>
<th>DIMENSIONS (MM)</th>
<th>CHARGING AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRV-100-30A</td>
<td>100W</td>
<td>8.0</td>
<td>17.63 x 1200 x 35.3</td>
<td>5.81 Amps</td>
</tr>
<tr>
<td>SRV-150-30A</td>
<td>150W</td>
<td>12.0</td>
<td>26.4</td>
<td>660 x 1474 x 35.3</td>
</tr>
</tbody>
</table>

Not all solar kits are made the same...

SRV-100-30A

SRV-150-30A

What’s in Your SRV Kit

Solar Panel
Samlex solar panels are constructed with top of the line solar cells and materials that comply with the highest industry standards.
- High efficiency
- Water proof connectors
- High transparency tempered glass
- Anodized aluminium frames
- Resilient to harsh weather conditions

Charge Controller
Samlex 30 Amp Flush Mount Charge Controllers regulate current and protect your batteries from over-charging. Features of this 4-stage Charge Controller include:
- LED status indicators
- LCD display
- Battery equalization
- 8 charge settings for most battery types

Connecting Wires
A pair of weather resistant 20’ solar panel connecting wires are provided to connect your panel to a charge controller or to an additional panel. One end of each wire is blunt and the other has a pre-assembled male or female multi-contact connector. Specifically designed for use in solar systems. Also sold separately.

Mounting Brackets & Hardware
Mounting brackets are provided to secure the solar panel to a flat surface while providing space underneath to facilitate cooling. Constructed in aluminum, the brackets have large surface areas on top for better stability and five available drilling holes on the bottom for convenient installation. Also sold separately.

Samlex Solar Kit Features

Samlex Solar panels are weather resistant and built to last – even in harsh conditions of hail or heavy snow. Aluminum frames will not rust. 14 – 17.5% efficiency, 2X more than amorphous silicon panels! Samlex guarantees its solar panels with a 25 year power warranty.*

Every Samlex SRV ALL-IN-ONE Solar Charging Kit includes a flush mount 30A charge controller designed to quickly connect to the cables attached on the back of your solar panel. One 30A controller can manage up to 550 Watts of solar power, so expanding your system is easy – just add panels as needed. Battery equalization restores battery capacity, revives efficiency and extends battery life. The digital display shows charging stage, voltage, current, and battery Amp Hours. Samlex offers a 5 year warranty.

Every kit includes a set of aluminum mounting brackets with all of the hardware required to mount your solar panel securely to your RV rooftop. Mounting brackets are specifically designed for placement flexibility around rooftop obstacles.

To ensure a leak-free installation, Samlex provides industry leading fasteners that expand to prevent moisture from getting inside your RV.

Samlex Solar uses only the highest grade of connecting wires, all coated with UV protective material to combat weather decay. Inexpensive cables and connectors without weather protection can erode after only a few years of use. Samlex cables are built to perform consistently in the toughest conditions.

* Refer to specific product warranties for details and limitations.
Customize or Expand Your Solar System

SSP Panel Kits

Purchase an SSP Solar Panel Kit and Charge Controller separately. Tailor a system based on your power needs. Combine different panels, or add a panel in the future. Each Panel Kit includes a solar panel, connecting wires and mounting brackets.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>SOLAR PANEL</th>
<th>WEIGHT (KG)</th>
<th>WEIGHT (LBS)</th>
<th>DIMENSIONS (MM)</th>
<th>DIMENSIONS (INCH)</th>
<th>CHARGING AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSP-100-KIT</td>
<td>100W</td>
<td>8.0</td>
<td>17.63</td>
<td>552 x 1200 x 35.3</td>
<td>21.73 x 47.25 x 1.39</td>
<td>5.81 Amps</td>
</tr>
<tr>
<td>SSP-150-KIT</td>
<td>150W</td>
<td>12.0</td>
<td>26.4</td>
<td>660 x 1474 x 35.3</td>
<td>26.0 x 58.03 x 1.39</td>
<td>8.82 Amps</td>
</tr>
</tbody>
</table>

 ALSO USE AS AN EXPANSION KIT
Add branch connectors, SBC-2 (sold separately) to connect panels in parallel.

SSC-30AB
Design Features
- Flush mount design
- Battery equalization
- 8 charge settings for most battery types
- 4-stage charging with LED indicators
- Digital LCD display indicates voltage, current and battery AH
- Can manage up to 550V of solar power
- Included in every SRV Solar Charging Kit

SMC-20
Design Features
- Automatic detection of 12/24V
- Voltage and current regulation
- Multistage charging technology
- Current compensated load disconnection
- Automatic load reconnection
- Temperature compensation
- Can manage up to 330W of solar power

SMC-10
Design Features
- Automatic detection of 12/24V
- Multistage charging technology
- Temperature compensation
- LEDs indicate battery state of charge
- Large terminals guarantee a simple connection of solar panels, battery and load
- Can manage up to 160W of solar power

Solar Accessories

Branch Connectors
Use to connect panels in parallel. (Sold in male/female pairs).

Adjustable Panel Tilt Mount
Improve charging by up to 40%. Over 30 adjustable settings.

Connecting Wires (20')

Mounting Brackets & Hardware

Multi-contact Connectors

Battery Temperature Sensor
Recommended to maintain and extend the life of your batteries. Temperature compensated charging ensures that batteries are charged to maximum capacity in cool environments, and are well protected from over-charging in warm environments. For use exclusively with SSC-30AB. Sold separately.

Charge Controllers
Regulate current flowing from a solar panel to your batteries and prevent over-charging. Packed with features designed to enhance charging performance and extend battery life.

SMC-20

SMC-10

5 YEAR LIMITED WARRANTY

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CHARGING POWER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCC-30AB</td>
<td>30 Amps</td>
</tr>
<tr>
<td>DC-8TS-A-C</td>
<td>33 Amps</td>
</tr>
<tr>
<td>SMC-20</td>
<td>20 Amps</td>
</tr>
<tr>
<td>SMC-10</td>
<td>10 Amps</td>
</tr>
</tbody>
</table>

Available in 100 and 150 Watts
**Portable Solar Charging Kits**

**MSK Series**

Take solar with you. Easy to use. Just unfold, clamp to your battery and start charging. Great for RVs, Cabins, Camping, Boats and for Emergency Back-up Power.

**Design Features**
- Solar panel is pre-wired with battery clamps for a quick and easy connection, 16’ cable
- Adjustable legs allow for maximum sun exposure
- Built-in 3 stage 10 Amp charge controller manages the charge to the battery and prevents overcharging
- For use with 12V Lead Acid batteries (not included)
- Trifold panel for easy storage and transport

**10 YEAR POWER WARRANTY**

---

**How Much Power Can I Generate Per Day?**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WATTS</th>
<th>WEIGHT*</th>
<th>MSK DIMENSIONS OPEN</th>
<th>MSK DIMENSIONS FOLDED</th>
<th>CHARGING AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSK-90</td>
<td>90W</td>
<td>11.45</td>
<td>25.2</td>
<td>1035 x 645 x 30</td>
<td>5.68 Amps</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>40.75 x 25.39 x 1.18</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>673 x 360 x 114</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>26.25 x 14.2 x 4.5</td>
<td></td>
</tr>
<tr>
<td>MSK-135</td>
<td>135W</td>
<td>16.18</td>
<td>35.6</td>
<td>1515 x 620 x 30</td>
<td>8.52 Amps</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>59.65 x 24.41 x 1.18</td>
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<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>25 x 20.3 x 4.5</td>
<td></td>
</tr>
</tbody>
</table>

* Based on optimal sunlight and turning the panel a few times throughout the day to follow the sun.

---

**Battery Maintainers**

**Suncharger Series**

Perfect for maintaining the battery in your RV, Car, Boat, Motorcycle or ATV and for saving on replacement costs.

**Design Features**
- Maximum efficiency
- Prevents back flow of current from the battery to the panel
- No need for additional Charge Controller
- Semi-flexible panel construction
- Rugged, weather-proof design
- 10ft cable
- 1ft cable with 12V power plug
- 1ft cable with ring terminals for battery

**2 YEAR LIMITED WARRANTY**

---

**What’s in Your MSK Kit**

- Solar Panel
- Protective Carrying Case
- 10 Amp Built-in Charge Controller
- Pre-wired Battery Clamps
- 2-pin Adapter
- MSK-XLR 2-pin XLR Adapter
- MSK-EXT Extension Cable

**NEW DESIGN**

---

**MSK Series**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WATTS</th>
<th>WEIGHT*</th>
<th>MSK DIMENSIONS OPEN</th>
<th>MSK DIMENSIONS FOLDED</th>
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</tr>
</tbody>
</table>

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- Maximum efficiency
- Prevents back flow of current from the battery to the panel
- No need for additional Charge Controller
- Semi-flexible panel construction
- Rugged, weather-proof design
- 10ft cable
- 1ft cable with 12V power plug
- 1ft cable with ring terminals for battery

**2 YEAR LIMITED WARRANTY**

---

**Model | Watts | Weight (Kg) | Weight (Lbs) | Charging Power**
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SC-05</td>
<td>4.8W</td>
<td>0.55</td>
<td>1.2</td>
<td>0.30 Amps</td>
</tr>
<tr>
<td>SC-10</td>
<td>9.5W</td>
<td>0.90</td>
<td>2.0</td>
<td>0.56 Amps</td>
</tr>
</tbody>
</table>

* May not be exactly as shown.

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**MSK-EXT Extension Cable**

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**MSK-XLR 2-pin XLR Adapter**

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**MSK-EXT Extension Cable**

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**MSK-135 Up to 53 Amp Hours**

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**MSK-EXT Extension Cable**

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* Weight includes carry bag and cables.
Pure Sine Wave Inverters

PST Series

24/7 Reliability
All models are Safety Certified to UL and CSA Standards, giving you peace of mind when it comes to safe and reliable AC Power. Built for heavy loads and long periods of continuous use.

Design Features
- Quiet operation – temperature controlled fan reduces energy consumption
- Extremely low interference – won’t disrupt the reception of your TV, radio or audio equipment
- 1500 - 3000W models can be hard wired
- Clean and reliable AC power identical to household electricity
- Power sensitive devices like TV’s, stereos and home office equipment
- Commercial grade design suitable for heavy duty loads, long periods of continuous operation and for emergency back up
- Wide operating DC input range: 10.5 to 16.5 VDC
- Low idle power draw
- Wide user temperature range

2 YEAR LIMITED WARRANTY

Optional Remote Controls

**RC-15A**
- Power ON/OFF
- LED indicator for overload and over temperature
- For use with PST-600-12 and PST-1000-12

**RC-300**
- LCD displays AC Volts, AC Amps, frequency, power (Watts), and power factor
- LED Indicators for overload, over temperature and power
- Includes 25’ cable
- For use with PST-1500-12, PST-2000-12 and PST-3000-12

---

### PST Series

#### PST-120-12
- **NOMINAL DC INPUT**: 12V
- **OUTPUT VOLTAGE**: 120V AC
- **OUTPUT POWER**: 120W
- **DIMENSIONS**: 189 x 105 x 30.5 mm
- **WEIGHT**: 0.453 kg
- **INVERTER INSTALLATION OUTLETS**: 1

#### PST-300-12
- **NOMINAL DC INPUT**: 12V
- **OUTPUT VOLTAGE**: 120V AC
- **OUTPUT POWER**: 300W/500W
- **DIMENSIONS**: 246 x 155 x 65.5 mm
- **WEIGHT**: 1.57 kg
- **INVERTER INSTALLATION OUTLETS**: 2

#### PST-600-12
- **NOMINAL DC INPUT**: 12V
- **OUTPUT VOLTAGE**: 120V AC
- **OUTPUT POWER**: 600W/1000W
- **DIMENSIONS**: 276.2 x 238 x 82 mm
- **WEIGHT**: 2.70 kg
- **INVERTER INSTALLATION OUTLETS**: 2

#### PST-1000-12
- **NOMINAL DC INPUT**: 12V
- **OUTPUT VOLTAGE**: 120V AC
- **OUTPUT POWER**: 1000W/2000W
- **DIMENSIONS**: 397 x 238 x 82 mm
- **WEIGHT**: 4.00 kg
- **INVERTER INSTALLATION OUTLETS**: 2

#### PST-1500-12*
- **NOMINAL DC INPUT**: 12V
- **OUTPUT VOLTAGE**: 120V AC
- **OUTPUT POWER**: 1500W/3000W
- **DIMENSIONS**: 468.2 x 263 x 105.6 mm
- **WEIGHT**: 7.1 kg
- **INVERTER INSTALLATION OUTLETS**: 2

#### PST-2000-12*
- **NOMINAL DC INPUT**: 12V
- **OUTPUT VOLTAGE**: 120V AC
- **OUTPUT POWER**: 2000W/3500W
- **DIMENSIONS**: 468.2 x 263 x 105.6 mm
- **WEIGHT**: 7.1 kg
- **INVERTER INSTALLATION OUTLETS**: 2

#### PST-3000-12*
- **NOMINAL DC INPUT**: 12V
- **OUTPUT VOLTAGE**: 120V AC
- **OUTPUT POWER**: 3000W/6000W
- **DIMENSIONS**: 456.5 x 263 x 145 mm
- **WEIGHT**: 9.8 kg
- **INVERTER INSTALLATION OUTLETS**: 2

**RC-15A**
- Optional remote for 600 and 1000 Watt models, 15’ cable. Power ON/OFF.

**RC-300**
- LCD displays AC Volts, AC Amps, frequency, (Watts), and power factor
- LED Indicators for overload, over temperature and power
- Includes 25’ cable
- For use with PST-1500-12, PST-2000-12 and PST-3000-12

---

*Hardwire capable*
Pure Sine Wave Inverters

SSW Series

Reliable AC Power at an Affordable Price

Ideal for powering sensitive loads such as televisions, cordless tool chargers, microwaves, automatic coffee makers and office equipment. Size your load and select your inverter with our Inverter Sizing Table, page 14.

Design Features
- Compact and lightweight
- High surge: 2X continuous power
- True Sine Wave Power - ideal for sensitive loads
- Soft start and cool surface technology
- 300 and 600 Watt models have USB charging port
- 1000, 1500, 2000 Watt models have two GFCI protected outlets
- Protections: Thermal, battery overload, short circuit and earth fault
- Safety certified to UL standards

SSW-R1-12B Remote Control
- Included with every 1000, 1500 and 2000W model!
- Power ON/OFF
- 10’ cable with RJ45 connector
- Display indicates: Input Voltage, Output Power, Input Fault, Output Fault
- Also sold separately

2 YEAR LIMITED WARRANTY

SSW-1000-12A

SSW-100-12B

SSW Series

Modified Sine Wave Inverters

SAM Series

Durable Construction

Easy to install and operate. Use SAM Series modified sine wave inverters to power your toaster, kettle, gaming system, laptop, power tools or water and air pumps. Size your load and select your inverter with our Inverter Sizing Table, page 16.

Design Features
- Compact and lightweight
- 100 to 800 Watt models include a USB Charging Port
- USB Charging Ports are 2.1 Amps for charging the newest smart phones and tablets
- Low Battery Input Alarm
- Soft start and cool surface technology
- Universal protection circuit: thermal, battery, overload, short circuit, earth fault
- Safety certified to UL standards

Optional Remote Control
- Power ON/OFF
- 10’ cable with RJ45 Connector
- Bar Meter Monitor for battery charge level and output power
- Power save mode
- For use with 1000-3000W Models

2 YEAR LIMITED WARRANTY

SSW-350-12A

SSW-600-12A

SSW-1000-12A

SSW-1500-12A

SSW-2000-12A

SSW-100-12B

SSW-R1-12B

SSW-R1-12B

SSW Series

TABLE OF CONTENTS

Innovative Power Conversion Products Since 1991

1-800-561-5885  www.samlexsolar.com | 12

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Inverter Accessories

Inverter Installation Kits
Choose your kit based on the size of your inverter (based up to 5% voltage drop for 10 ft cable run from Battery to Inverter and current equal to Ampere rating of the Fuse).

| Model No. of Inverter Installation Kit | PST-600-12 | PST-1000-12 | PST-1500-12 | PST-2000-12 | PST-3000-12 | SSW-600-12A | SSW-1000-12A | SSW-1500-12A | SSW-2000-12A | SAM-800-12 | SAM-1000-12 | SAM-1500-12 | SAM-2000-12 | SAM-3000-12 | EVO-2212 |
|--------------------------------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|
| DC-1000-KIT                          | DC-2000-KIT | DC-3500-KIT | DC-KIT-3500 | DC-FA-100  | DC-FA-200  | DC-FA-300  | DC-FA-400  | DC-FB-2    | DC-FB-300  | JLLN-400    | MRBF-300   | MRBF-200   | MRBF-100   | 100A Fuse  |
| DC-2500-KIT                          |            |            |            |            |            |            |            |            |            |            |            |            |            |            | MRBF-300  |
| DC-3500-KIT                          |            |            |            |            |            |            |            |            |            |            |            |            |            |            | MRBF-200  |

Fuses & Circuit Protection

Fuse assemblies and fuse block

DC-FA-100 100A Fuse assembly
DC-FA-200 200A Fuse assembly
DC-FA-300 300A Fuse assembly
DC-FB-200 400A Fuse block with fuse

* Fuse assembly includes single pole fuse bar, fuse insulating cap and hardware.

Individual replacement fuses

MRBF-100 100A Fuse
MRBF-200 200A Fuse
MRBF-300 300A Fuse
JLLN-400 400A Fuse

Double pole fuse bar with insulating cap (no fuse)

DC-FB-2 Includes nuts and washers (not shown)

Connecting the Fuse Block to the Battery

Battery end of positive cable cut and prepared for fitting into fuse block
Fitted fuse assembly
Positive cable connection to the battery with fuse block to protect cables

Size Your Inverter

Device

<table>
<thead>
<tr>
<th>Typical examples of rated AC Watts Required to Run Device</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

*NOTE: This guide is provided for reference only. Every effort has been made to ensure the relevance and accuracy of the information presented. Due to periodic changes and/or variations made by manufacturers, Samlex America, Inc. cannot be held responsible for any changes, errors, or omissions as a result of using this reference guide.

† NOTE: All references made to brands, trademarks and trade names are only used here for reference and does not imply in any way a sponsorship, affiliation, or endorsement of these products or services by Samlex America, Inc. Each brand, trademark or trade name listed here is the property of its respective owner. Samlex America, Inc. assumes no credit or liability related to these brands, trademarks or trade names.
Inverter/Chargers

Samlex Evolution™ Series

Inverter, Battery Charger and Transfer Switch – All in one device. This robust power system automatically switches between shore power, generator and your batteries as different power sources become available.

2 AC Input
Design Features
- Pure Sine Wave Inverter
- 3 or 4 Stage Battery Charger w/ Equalization
- <16ms Transfer from Grid/Generator to Inverter
- Wide Operating Temperature Range
- Programmable Power Save Mode
- Temperature Controlled Cooling Fans
- Conformally Coated Circuit Board

Two Separate AC Inputs for Grid & Generator
Connect Grid and Generator simultaneously, no need to reconfigure system as power availability changes. Priority is given to Grid. Both AC input ranges are fully programmable.

Adaptive or Timed Battery Charger
Choose between a timed or an adaptive charging algorithm. The adaptive algorithm monitors the battery condition to set the remaining time in the bulk stage. In order to reduce excess charging time and extend the life of lead acid batteries, use this setting. Our timed algorithm allows for a timed second stage. For lithium “drop in replacement” battery banks, a timed second stage is the optimal choice.

Synchronized Transfer at Zero Crossing
Zero transfer time when switching from Inverter to Grid. When grid comes on, the inverter synchronizes with the wave form and then transfers instantly at zero crossing without any interruption to the load.

Input for Solar Charge Controller
Connect a solar charge controller directly to the EVO™ through the Battery Charger External DC Input (Solar Input). When renewable energy is available on this external DC input, the EVO™ will reduce the value of battery charging power sourced from its internal charger by the amount available on this input.

High Surge Inverter with Active Power Boost
In addition to 3X surge on start up, loads can exceed the continuous power output by the Power Boost Allowances without triggering an overload fault. Get 150% for 5 seconds or 120% for 5 minutes!

Online Mode
Use to prioritize Batteries/Inverter over the grid. Choose to operate primarily on solar power even when grid is available. In Online Mode, grid is only used as back-up power when batteries necessitate charge.

Bullet Proof Intelligence
9 physical points of protection monitoring are scanned up to 10,000 times per second to detect adverse internal and external conditions. When detected, the unit will initiate a healthy shutdown before any damage can be done, making the EVO™ practically indestructible.

2 YEAR LIMITED WARRANTY

Optional Remote Control with Removable SD Card for Data Logging
The EVO-RC remote control (sold separately) can accept a 16GB SD card to capture data. Log historic power consumption, inverter functionality, battery charging activity, faults and the conditions leading up to them. Use the remote to program parameters and view performance details in real time. 33 ft RJ-45 data cable included.
**Innovative Power Conversion Products Since 1991**

1-800-561-5885  www.samlexsolar.com

---

### Inverter/Chargers

**Samlex Evolution™ F Series**

Pure Sine Wave Inverter/Charger with 6 programmable charging profiles – 2, 3 and 4 stages with Equalization. For use with Lead Acid or Lithium Batteries.

#### 1 AC Input

**Design Features**

- User configurable Timed or Adaptive algorithm to charge a wide range of battery types
- Zero transfer time switching from inverter to grid, synchronized transfer at zero crossing
- 3X Surge power with Power Boost
- Wide Operating Temperature Range -20 to 60°C / -4 to 140°F
- GFCI & Hardwired models available

There is no need to upsize to a larger inverter/charger just to handle short duration heavy surge loads, resulting in reduced costs.

**2 YEAR LIMITED WARRANTY**

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#### DIMENSIONS & WEIGHT

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DC INPUT</th>
<th>AC OUTPUT</th>
<th>OUTPUT POWER</th>
<th>BATTERY CHARGER</th>
<th>TRANSFER SWITCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVO-1212F</td>
<td>12V</td>
<td>120V</td>
<td>1200W</td>
<td>60A</td>
<td>30A</td>
</tr>
<tr>
<td>EVO-1212F-HW</td>
<td>12V</td>
<td>120V</td>
<td>1200W</td>
<td>60A</td>
<td>30A</td>
</tr>
<tr>
<td>EVO-RC-PLUS</td>
<td>For use with EVO-1212F and EVO1212F-HW. 33ft cable.</td>
<td>144 x 114 x 35.5</td>
<td>5.6 x 4.5 x 1.4</td>
<td>0.2</td>
<td>0.4</td>
</tr>
</tbody>
</table>

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**Optional Remote Control with Removable SD Card for Data Logging**

The EVO-RC-PLUS remote control can accept up to 16GB SD card to capture data. Advanced features for programming various parameters and modes of operation. 4 rows of 20 character alpha numeric LCD display for messaging. Robust metal enclosure. Comes with 10M / 33ft RJ-45 data cable.
Battery Chargers

SEC UL Series

Protect Your Battery Investment
Upgrade your converter to a Samlex SEC Smart Charger. Use utility power or a generator to rapidly charge and maintain your batteries.

Design Features
- 2 or 3 Stage Charging (selectable)
- 120 or 230 VAC, 50/60 Hz (selectable)
- Analog meter display
- For all types of Lead Acid Batteries
- Charge with a battery load – or stand alone
- Safety Certified Intertek ETL Listed to stringent UL standards

2 YEAR LIMITED WARRANTY

Optional Remote Control
900-RC
- Power ON/OFF
- Monitor charging status from a remote location
- Includes 33’ cable

Design Features
- 2 or 3 Stage Charging (selectable)
- 120 or 230 VAC, 50/60 Hz (selectable)
- Analog meter display
- For all types of Lead Acid Batteries
- Charge with a battery load – or stand alone
- Safety Certified Intertek ETL Listed to stringent UL standards

2 YEAR LIMITED WARRANTY

Transfer Switch

Automatically Switch to Utility Power When it’s Available
Completely hands-free, a Samlex transfer switch automatically detects Utility or Generator Power when it’s available and allows a seamless transition from your inverter or battery bank.

Design Features
- Automatically switches between 2 separate AC input sources: Utility Power or a Generator and Inverter/Battery Bank
- Has a rated capacity of 30 Amps at 120 VAC and is suitable for a 30 Amp Utility Power Cord and a Generator of up to 3.6 KVA capacity
- Uses a heavy duty Double Pole Double Throw (DPDT) relay for switching both the Line and Neutral
- Can be installed on the line side of the main breaker panel, allowing switching of the entire load or on the load side to only switch dedicated circuits
- DIP Switch select to enable a time delay when transferring to a generator

2 YEAR LIMITED WARRANTY

How your transfer switch works

WHEN UTILITY POWER IS UNAVAILABLE…
When you’re on the road and utility power is not available, the transfer switch detects your battery bank system and transfers inverter output to the breaker panel.

WHEN UTILITY POWER IS AVAILABLE…
As soon as you plug in, the transfer switch automatically disconnects your inverter system and transfers utility power to feed the breaker panel. Connect a battery charger to the terminal provided on the transfer switch and your batteries will also charge when utility power is available.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>INPUT VOLTAGE</th>
<th>INPUT FREQUENCY</th>
<th>NOMINAL DC OUTPUT</th>
<th>CHARGING CURRENT</th>
<th>DIMENSIONS (MM)</th>
<th>WEIGHT (KG)</th>
<th>WEIGHT (LBS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEC-1215UL</td>
<td>120 VAC</td>
<td>50 / 60 Hz</td>
<td>12 VDC</td>
<td>15 Amps</td>
<td>216 x 213 x 84</td>
<td>2.17</td>
<td>4.8</td>
</tr>
<tr>
<td>SEC-1230UL</td>
<td>120 VAC</td>
<td>50 / 60 Hz</td>
<td>12 VDC</td>
<td>30 Amps</td>
<td>274 x 213 x 84</td>
<td>2.90</td>
<td>6.4</td>
</tr>
<tr>
<td>SEC-1250UL</td>
<td>120 VAC</td>
<td>50 / 60 Hz</td>
<td>12 VDC</td>
<td>50 Amps</td>
<td>331 x 244 x 97</td>
<td>4.08</td>
<td>9.0</td>
</tr>
<tr>
<td>SEC-1280UL</td>
<td>120 VAC</td>
<td>50 / 60 Hz</td>
<td>12 VDC</td>
<td>80 Amps</td>
<td>380 x 244 x 97</td>
<td>5.39</td>
<td>11.9</td>
</tr>
<tr>
<td>SEC-2415UL</td>
<td>120 VAC</td>
<td>50 / 60 Hz</td>
<td>24 VDC</td>
<td>15 Amps</td>
<td>274 x 213 x 84</td>
<td>2.90</td>
<td>6.4</td>
</tr>
<tr>
<td>SEC-2425UL</td>
<td>120 VAC</td>
<td>50 / 60 Hz</td>
<td>24 VDC</td>
<td>25 Amps</td>
<td>331 x 244 x 97</td>
<td>4.08</td>
<td>9.0</td>
</tr>
<tr>
<td>SEC-2440UL</td>
<td>120 VAC</td>
<td>50 / 60 Hz</td>
<td>24 VDC</td>
<td>40 Amps</td>
<td>380 x 244 x 97</td>
<td>5.39</td>
<td>11.9</td>
</tr>
</tbody>
</table>

900-RC For use with SEC-1250, 1280, 2425, 2440. 33’ cable. LED indicators for power, boost/absorption and float stage.
Battery Accessories

Battery Guards

BG-60  BG-200
- 60 Amps  - 200 Amps

Design Features
- Prevents excessive discharge of batteries.
- Longer battery life
- Can be programmed to disconnect/reconnect at different sets of voltages.
- Prevents damage to connected components.
- Protects against excessive voltage caused by faulty alternators or chargers.

2 YEAR LIMITED WARRANTY

Automatic Charge Isolator

ACR-160
Also known as a Battery Separator, Isolator, or Automatic Charging Relay. It is a voltage dependant switch that separates or parallels starter and auxiliary battery banks in order to: (1) Protect the starter battery from deep discharge, and (2) Recharge the two battery banks.

Design Features
- Easy to install - does not require changing the existing circuit of the alternator.
- Potted, waterproof, sealed unit.
- Combines battery banks for charging and isolates them when charging has stopped.
- Provides priority for charging only the starter battery first.
- Protects from excessive discharging of the starter battery.
- Over voltage protection.

2 YEAR LIMITED WARRANTY

Battery Monitors

Intelligent, microprocessor based battery voltage monitors. Both models have programmable alarm thresholds and audio alarms at high and low voltage levels.

BW-01

Design Features
- LED indicators for terminal voltage and battery under-charge status.
- High voltage limit during charging, programmable.
- Low voltage alarm (with buzzer), programmable.
- 3 day timer with auto deactivation at 10.4 volts to prevent excessive drain.

2 YEAR LIMITED WARRANTY

BW-03

Design Features
- Digital display.
- Can monitor two batteries.
- Very low power consumption/Power Saving Mode.
- Splash resistant top.

2 YEAR LIMITED WARRANTY

BG-60

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