Recreational Power Guide

- Solar Charging Kits
- Charge Controllers
- Battery Chargers
- DC-AC Inverters
- Inverter/Chargers
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 flipping 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 campsite 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.

Still have questions about your RV Power Solution? You tell us what you want to power and we’ll tell you how. Call our live technical support team at 1-800-561-5885. Samlex is Personal Solar made simple.

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<table>
<thead>
<tr>
<th>Solar Power</th>
<th>You Can Power...</th>
</tr>
</thead>
<tbody>
<tr>
<td>100W</td>
<td>The above, PLUS...</td>
</tr>
<tr>
<td>150W</td>
<td>The above, PLUS...</td>
</tr>
<tr>
<td>200W</td>
<td>The above, PLUS...</td>
</tr>
<tr>
<td>250W</td>
<td>The above, PLUS...</td>
</tr>
<tr>
<td>300W</td>
<td>The above, PLUS...</td>
</tr>
<tr>
<td>400W</td>
<td>The above, PLUS...</td>
</tr>
<tr>
<td>450W</td>
<td>The above, PLUS...more time!</td>
</tr>
<tr>
<td>550W</td>
<td>The above, PLUS...more even time!</td>
</tr>
</tbody>
</table>

* Results may vary based on location and available sunlight.
ALL-IN-ONE Solar Charging Kits

SRV Series 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

Not all solar kits are made the same...

<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>SRV-150-30A</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>
<tr>
<td>SRV-100-30A</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>6.07 Amps</td>
</tr>
</tbody>
</table>

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
- Waterproof 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. 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 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 Series 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.

### Available in 100 and 150 Watts

**150W Solar Panel**

**100W Solar Panel**

### 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.

**SCC-30AB**

- 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 550W of solar power
- Included in every SRV Solar Charging Kit
- 5 year limited warranty

**SMC-20**

- 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
- 5 year limited warranty

**MSK-10A**

- LEDs indicate battery state of charge
- Temperature compensation
- 3-stage intelligent Series Type PW charging
- Voltage and current regulation
- Reverse protection any combination of solar module and battery
- Programmed for use with sealed GEL batteries
- Automatically detects 12 or 24 Volts
- Optional MSK-TS temperature sensor
- 2 year limited warranty

### 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**
  - **SM5-KIT**
- **Multi-contact Connectors**
  - **MC4-2**
- **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 SCC-30AB. Sold separately.
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.

**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**

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**Battery Maintainers**

**Suncharger Series**

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

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**What's in Your MSK Kit**

- Trifold Solar Panel
- Protective Carrying Case
- MSK-10A Built-in Charge Controller
- Pre-wired Battery Clamps
- 2-pin Adapter

**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 KG</td>
<td>1035 x 645 x 30</td>
<td>673 x 360 x 30</td>
<td>6.8 Amps</td>
</tr>
<tr>
<td>MSK-135</td>
<td>135W</td>
<td>16.18 KG</td>
<td>1515 x 620 x 30</td>
<td>635 x 516 x 30</td>
<td>8.52 Amps</td>
</tr>
<tr>
<td>MSK-XLR</td>
<td>2-pin XLR Adapter</td>
<td>11.13 KG</td>
<td>1015 x 610 x 30</td>
<td>635 x 516 x 30</td>
<td>2.5 Amps</td>
</tr>
</tbody>
</table>

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

**Optional:**
- MSK-XLR 2-pin XLR Adapter
- MSK-EXT Extension Cable

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**MSK-EXT**

* May not be exactly as shown.

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

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WATTS</th>
<th>WEIGHT*</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC-05</td>
<td>4.8W</td>
<td>0.55 KG</td>
</tr>
<tr>
<td>SC-10</td>
<td>9.5W</td>
<td>0.90 KG</td>
</tr>
</tbody>
</table>

* May not be exactly as shown.
**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

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- Low idle power draw
- Wide user temperature range

**New** 3 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 Specifications**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NOMINAL DC INPUT</th>
<th>OUTPUT VOLTAGE</th>
<th>OUTPUT POWER</th>
<th>OUTPUT SURGE</th>
<th>WEIGHT (KG)</th>
<th>INVERTER INSTALLATION</th>
<th>OUTLETS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PST-120-12</td>
<td>12V</td>
<td>120V</td>
<td>120W</td>
<td>189 x 105 x 30.5</td>
<td>0.453</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PST-300-12*</td>
<td>12V</td>
<td>120V</td>
<td>300W</td>
<td>246 x 155 x 65.5</td>
<td>1.57</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PST-600-12†</td>
<td>12V</td>
<td>120V</td>
<td>600W</td>
<td>276.2 x 238 x 82</td>
<td>2.70</td>
<td>DC-1000-KIT</td>
<td>2</td>
</tr>
<tr>
<td>PST-1000-12</td>
<td>12V</td>
<td>120V</td>
<td>1000W</td>
<td>397 x 238 x 82</td>
<td>4.00</td>
<td>DC-2000-KIT</td>
<td>2</td>
</tr>
<tr>
<td>PST-1500-12**</td>
<td>12V</td>
<td>120V</td>
<td>1500W</td>
<td>468.2 x 263 x 105.6</td>
<td>7.1</td>
<td>DC-2500-KIT</td>
<td>2</td>
</tr>
<tr>
<td>PST-2000-12**</td>
<td>12V</td>
<td>120V</td>
<td>2000W</td>
<td>468.2 x 263 x 105.6</td>
<td>7.1</td>
<td>DC-2500-KIT</td>
<td>2</td>
</tr>
<tr>
<td>PST-3000-12**</td>
<td>12V</td>
<td>120V</td>
<td>3000W</td>
<td>456.5 x 263 x 145</td>
<td>9.8</td>
<td>DC-3500-KIT</td>
<td>2</td>
</tr>
<tr>
<td>RC-15A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RC-300</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Hardwire capable †Remote Input – Use to turn inverter ON or OFF with ignition start or any other Remote ON/OFF switch.

**3 YEAR LIMITED WARRANTY**

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

**Innovative Power Conversion Products Since 1991**
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 22.

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

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NOMINAL DC-INPUT</th>
<th>OUTPUT VOLTAGE</th>
<th>OUTPUT POWER</th>
<th>SURGE</th>
<th>DIMENSIONS (MM)</th>
<th>WEIGHT (KG)</th>
<th>INVERTER INSTALLATION</th>
<th>OUTLETS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSW-350-12A</td>
<td>12V</td>
<td>115 VAC</td>
<td>350W</td>
<td>700W</td>
<td>200 x 155 x 57</td>
<td>0.70</td>
<td>Battery clamps</td>
<td>2</td>
</tr>
<tr>
<td>SSW-600-12A</td>
<td>12V</td>
<td>115 VAC</td>
<td>600W</td>
<td>1200W</td>
<td>230 x 155 x 57</td>
<td>0.90</td>
<td>Battery clamps</td>
<td>2</td>
</tr>
<tr>
<td>SSW-1000-12A</td>
<td>12V</td>
<td>115 VAC</td>
<td>1000W</td>
<td>2000W</td>
<td>265 x 222 x 88</td>
<td>2.60</td>
<td>DC-2000-KIT</td>
<td>2</td>
</tr>
<tr>
<td>SSW-1500-12A</td>
<td>12V</td>
<td>115 VAC</td>
<td>1500W</td>
<td>3000W</td>
<td>310 x 222 x 88</td>
<td>3.20</td>
<td>DC-2500-KIT</td>
<td>2</td>
</tr>
<tr>
<td>SSW-2000-12A</td>
<td>12V</td>
<td>115 VAC</td>
<td>2000W</td>
<td>4000W</td>
<td>310 x 222 x 88</td>
<td>3.80</td>
<td>DC-2500-KIT</td>
<td>2</td>
</tr>
<tr>
<td>SSW-R1-12B</td>
<td></td>
<td>12V</td>
<td>1000W</td>
<td>1500W and 2000W models</td>
<td>102 x 82 x 35</td>
<td>0.056</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

FREE Remote Control Included!

NTX-1000-12

NTX-1500-12

NTX-2000-12

Features
- Samlex Hypersurge™ technology starts high surge loads with ease
- High efficiency and very low idle current
- Compact size and lightweight
- 2 GFCI protected outlets (1000W - 2000W models)
- NTX-3000-12 features a 30 Amp NEMA L5-30R locking AC outlet with mating plug and built-in GFCI protection
- Wide input voltage range
- Quiet temperature & load-controlled variable speed fan

2 YEAR LIMITED WARRANTY

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NOMINAL DC-INPUT</th>
<th>OUTPUT VOLTAGE</th>
<th>OUTPUT POWER</th>
<th>SURGE</th>
<th>DIMENSIONS (MM)</th>
<th>WEIGHT (KG)</th>
<th>INVERTER INSTALLATION</th>
<th>OUTLETS</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTX-1000-12</td>
<td>12V</td>
<td>115 VAC</td>
<td>1000W</td>
<td>2000W</td>
<td>216 x 281 x 92</td>
<td>8.5</td>
<td>DC-2000-KIT</td>
<td>2</td>
</tr>
<tr>
<td>NTX-1500-12</td>
<td>12V</td>
<td>115 VAC</td>
<td>1500W</td>
<td>3000W</td>
<td>216 x 333 x 92</td>
<td>8.5</td>
<td>DC-2500-KIT</td>
<td>2</td>
</tr>
<tr>
<td>NTX-2000-12</td>
<td>12V</td>
<td>115 VAC</td>
<td>2000W</td>
<td>4000W</td>
<td>216 x 333 x 92</td>
<td>8.5</td>
<td>DC-2500-KIT</td>
<td>2</td>
</tr>
<tr>
<td>NTX-3000-12*</td>
<td>12V</td>
<td>115 VAC</td>
<td>3000W</td>
<td>6000W</td>
<td>216 x 451 x 92</td>
<td>8.5</td>
<td>DC-3500-KIT</td>
<td>1</td>
</tr>
<tr>
<td>NTX-RC</td>
<td></td>
<td>115 VAC</td>
<td>1000W</td>
<td>1500W</td>
<td>2000W and 3000W models</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

FREE Remote Control Included!

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

NEW
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 22.

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
SAM-RC
- 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

Inverter Installation Kits

Choose your kit based on the size of your inverter (based up to 3% voltage drop for 10 ft cable run, and 5% voltage drop for 15 ft cable run from Battery to Inverter, and current equal to Ampere rating of the Fuse)

<table>
<thead>
<tr>
<th>Model No. of Inverter Installation Kit</th>
<th>DC-1000-KIT</th>
<th>DC-2000-KIT</th>
<th>DC-2500-KIT</th>
<th>DC-3500-KIT</th>
<th>DC-3500-KIT-XL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable: AWG#4</td>
<td>2 x 10 ft</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuse:</td>
<td>100A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DC-2000-KIT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cable: AWG#2</td>
<td>2 x 10 ft</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuse:</td>
<td>200A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DC-2500-KIT-XL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cable: AWG#2/0</td>
<td>2 x 15 ft</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuse:</td>
<td>300A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fuses & Circuit Protection

DC-FA-100 100A Fuse assembly*
DC-FA-200 200A Fuse assembly*
DC-FA-300 300A Fuse assembly*
CFB2-400 400A Fuse block with fuse

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

Fusing & Circuit Protection

Connect your inverter to a battery bank SAFELY AND SIMPLY.

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
Inverter/Chargers

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 Features
- Pure Sine Wave Inverter
- Configurable Multi-Stage high current Battery Charger with Equalization
- <16ms Transfer from Grid/Generator to Inverter
- Wide Operating Temperature Range
- Programmable Power Save Mode
- Temperature Controlled Cooling Fans
- Conformally Coated Circuit Board

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!

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.

Remote Control with Removable SD Card for Data Logging
The EVO-RC remote control (sold separately) can accept a 32GB 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.

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.

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.

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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 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.

NEW
3 YEAR LIMITED WARRANTY

Remote Control with Removable SD Card for Data Logging
The EVO-RC-PLUS remote control can accept up to 32GB SD card to capture data. Advanced features for programming various parameters and modes of operation. Robust metal enclosure. Comes with 10M / 33ft RJ-45 data cable.

All models accommodate remote control with removable SD card.
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.

Features
- 2 or 3 Stage, Rapid and Safe 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

Features
- 2 or 3 Stage, Rapid and Safe 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.

Features
- Automatically switches between 2 separate AC input sources: Utility Power or a Generator/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…

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.

WHEN UTILITY POWER IS AVAILABLE…

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.

STS-30

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: 60 Amps
- BG-200: 200 Amps

**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
- Longer battery life

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

**2 YEAR LIMITED WARRANTY**

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**Automatic Charge Isolator**

**ACR-160**

Also known as a Battery Separator, Isolator, or Automatic Charging Relay. It is a voltage dependent 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.

**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 extra deep discharging of the starter battery
- Over voltage protection

**2 YEAR LIMITED WARRANTY**

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**Size Your Inverter**

<table>
<thead>
<tr>
<th>DEVICE*</th>
<th>Modified Sine Wave %</th>
<th>Pure Sine Wave %</th>
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</thead>
<tbody>
<tr>
<td>Incandescent Bulb (60W)</td>
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<tr>
<td>Compact Fluorescent Bulb (17W)</td>
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<tr>
<td>Play Station 4* (190W)</td>
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<tr>
<td>Wii Console† (17W)</td>
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<tr>
<td>DVD Player (10W)</td>
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<tr>
<td>Small Stereo (10W)</td>
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<tr>
<td>TV - 32` LCD (150W)</td>
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<tr>
<td>Clock Radio (5W)</td>
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<tr>
<td>Cell Phone Charger (25W)</td>
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<tr>
<td>Electric Blanket with Timer (150W)</td>
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<td>Hair Dryer (1250W)</td>
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<td>3/8 Variable Speed Drill (350W)</td>
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<td>Lithium Ion Battery Charger (10W)</td>
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<td>Ceiling Fan (75W)</td>
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<td>Microwave (900W)</td>
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<td>Coffee Maker (1200W)</td>
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<td>Blender (300W)</td>
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<td>Toaster (1000W)</td>
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<td>Vacuum Small Upright (550W)</td>
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<td>Laptop Computer (105W)</td>
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<td>Desktop Computer with 15” Monitor (350W)</td>
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<td>Inkjet Printer - Small (50W)</td>
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<td>Laser Printer - Small High Surge (350W)</td>
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<tr>
<td>Fridge - 16 Cubic Feet - High Surge (225W)</td>
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<td>Satellite Receiver (30W)</td>
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*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.

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