Samlex is your complete source for commercial, industrial and consumer power conversion products.


**Best Customer Service In The Industry**
Talk to someone the first time you call, guaranteed.

**Technical Support**
Engineers and support personnel are available to answer your technical inquiries.

**Online Tools**
FAQs, Manuals, Spec Sheets, Detailed Product Info, Videos.

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**Customization**
Samlex offers OEM and private label opportunities for specialty components and finished power conversion products.

**Warranty**
Samlex offers a minimum 2 year limited warranty. Specific warranty terms and warranty period varies by product. Warranty is limited outside of Continental USA and Canada.

www.samlexamerica.com
EVO™ SERIES
Pure Sine Wave Inverter/Chargers

Pure sine wave inverter, adaptive battery charger, transfer relay – All in ONE unit. Using state-of-the-art technology, the Samlex Evolution™ Series inverter/charger operates at 165 million instructions per second with 9 points of physical protection monitoring (being scanned up to 10,000 times per second) to detect fault conditions and protect itself in adverse environments.

Design Features
- Two separate AC inputs for Grid (priority input) and Generator
- DC Input for solar Charge Controller
- 3 or 4 stage selectable Battery Charging with Equalization option
- 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
- Conformally coated circuit boards
- Wide Operating Temperature Range -20 to 60°C / -4 to 140°F

Applications
- Boats
- Alternative energy/Off-grid
- Recreational vehicles
- Rural electrification
- Trucks/Specialty vehicles
- Emergency backup power

Compliance
ETL listed: Conforms to ANSI / UL STD. 1741, 458 (with Marine Supplement), Certified to CAN / CSA STD. C22.2 No. 107.1-01, Certified to FCC Part 15(B), Class A. CE on 230V models.

EVO™ Remote Control
(sold separately)
Use to program inverter and battery charging parameters, and view real-time performance activity on the 32 character LCD screen.

Data Logging
The remote’s SD Card slot can manage a 16GB removable SD card. Data log: historic power consumption, inverter functionality, battery charging activity, faults and all of the conditions leading up to them. Analyze trends for more efficient use of off-grid resources.

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Input (VDC)</th>
<th>Output (WAC)</th>
<th>Output Power (W)</th>
<th>Battery Charger (A)</th>
<th>Transfer Relay (A)</th>
<th>Weight (Lbs)</th>
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2 YEAR LIMITED WARRANTY
Samlex EVO-1212F is a 1200 watt pure sine wave inverter with a 60 Amp programmable charger. There is no need to upsize to a larger inverter/charger just to handle short duration heavy surge loads, resulting in reduced costs.

**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
- GFCI & Hardwired models available
- Wide Operating Temperature Range -20 to 60°C / -4 to 140°F

**Applications**
- Boats
- Off-grid
- Recreational vehicles
- Cabins
- Trucks/Specialty vehicles
- Rural electrification
- Alternative energy
- Emergency backup power

**Compliance**
- Intertek-ETL listed: Certified to CAN / CSA STD. C22.2 No. 107.1-01 ; Conforms to ANSI / UL STD. 458. Certified to FCC Part 15(B), Class A.

**2 YEAR LIMITED WARRANTY**

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Input (VDC)</th>
<th>Output (WAC)</th>
<th>Output Power (W)</th>
<th>Battery Charger (A)</th>
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* Hard-wireable

**EVO-RC-PLUS Remote Control**
(sold separately)
- Advanced features for programming various parameters and modes of operation
- 4 rows of 20 character alpha numeric LCD display for messaging
- Robust metal enclosure
- Up to 16 GB SD card slot for data logging
- Comes with 10M/33ft RJ-45 data cable

---

**How an Inverter/Charger works...**

The primary function of an inverter/charger is to charge a bank of batteries and convert power from the batteries into usable AC power (the same type you receive from the wall at home).

The EVO® inverter/charger can accept input from the grid, a generator or a solar charge controller to charge a bank of batteries; all of which can be connected at the same time. The unit will automatically switch between power sources as they become available - ensuring the batteries are charging efficiently and the AC loads are being powered without delay.
**Design Features**
- Quiet Operation – temperature controlled fan reduces energy consumption
- Extremely low interference with other devices
- GFCI protected outlets
- 1500, 2000 and 3000W models come with additional hard-wired interface
- Low idle power draw
- Suitable for heavy duty loads, long periods of continuous operation & for emergency back up
- Wide operating DC input range compatible with new high voltage alternators
- Universal Protection Circuit: low voltage, over voltage, over temperature, over load and short circuit

**Applications**
- Solar power systems
- Emergency backup power
- Mobile offices
- Cordless tool chargers
- Recreational vehicles, camping
- Automotive & marine
- Telecommunication
- Field work/construction sites
- Home electronics: TV, DVD, gaming consoles
- Tools and appliances
- Computer and printers

**Compliance**
- FCC Approved, ETL Safety Listed to UL Standard 458, Certified to CSA STD C22.2 No. 107.1-01

**2 YEAR LIMITED WARRANTY**

### PST SERIES
**Pure Sine Wave Inverters**

The PST series provides clean pure sine wave power that users have come to depend on for years. PST’s commercial grade design is suitable for heavy duty loads, long periods of continuous operation and for emergency back-up, giving you peace of mind when it comes to safe and reliable AC power.

#### PST-120-12
Use to operate laptops, portable electronics, small TVs, DVDs, light-duty hand tools and other sensitive electronic devices. Safety listed to ANSI/AAMI ES60601-1 as recognized component for use in medical environments.
- USB charging port: 5V, 500mA
- Lightweight, portable & compact
- LED indicator
- Temperature controlled fan
- 12V power plug included
- Low idle power draw of less than 0.5A

#### PST-300-12
- For use with 600 and 1000 Watt models
- Power ON/OFF
- LED indicators for overload, over temperature and power
- 15’ of cable

#### PST-600-12
- For use with 1500W - 3000 Watt models
- LCD indicates AC volts, AC amps, frequency, power (watts) and power factor
- 25’ of cable

#### PST-1200-12
- Optional remote for 600 and 1000 Watt models. Power ON/OFF. LED indicators for overload, over temperature and power. 15’ cable.

#### PST-1500-12
- Optional remote for 1500W - 3000 Watt models. LCD indicates AC volts, AC amps, frequency, power (watts) and power factor. 25’ cable.

#### Optional Remote Controls
- **RC-15A**
  - For use with 600 and 1000 Watt models
  - Power ON/OFF
  - LED indicators for overload, over temperature and power
  - 15’ of cable

- **RC-300**
  - For use with 1500W - 3000 Watt models
  - LCD indicates AC volts, AC amps, frequency, power (watts) and power factor
  - 25’ of cable

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Input (VDC)</th>
<th>Output (VAC)</th>
<th>Output Power (W)</th>
<th>Surge (W)</th>
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<td>3000</td>
<td>15.6</td>
<td>18.43 x 10.35 x 4.16</td>
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</table>

* Hard-wireable
**Design Features**
- Silent Operation – temperature controlled fan reduces energy consumption
- Extremely low interference with other devices
- Low idle power draw
- Clean and reliable AC power identical to household electricity
- Wide operating DC input range
- Universal Protection Circuit: low voltage, over voltage, over temperature, over load and short circuit
- 50 Hz / 60 Hz (Switch selectable: 50 Hz default)

**Applications**
Solar power systems
Emergency backup power
Mobile offices
Cordless tool chargers
Recreational vehicles, camping
Automotive & marine
Telecommunication
Fieldwork/construction sites
Home electronics:
TV, DVD, gaming consoles
Tools and appliances
Computer and printers

**Compliance**
CE

2 YEAR LIMITED WARRANTY

---

**PST E SERIES (230 VAC)**
Pure Sine Wave Inverters

**PSR RACK MOUNT SERIES**
Pure Sine Wave Inverters with Transfer Relay

**Design Features**
- Extremely fast synchronized transfer from grid to inverter and back
- Built-in 16A automatic transfer switch
- On-Line and Off-Line modes
- Load Priority algorithm
- Flexible configurable parameters
- Contact relays and external ON/OFF
- Configurable via front panel, USB, or RS-232C
- Space saving 19" rack 1U enclosure
- Ethernet webpage monitoring
- SNMP Alarm Trap generation for NOC monitoring

**Applications**
Telecommunication
UPS system

**Compliance**
Conforms to UL STD. 62368-1. Certified to CSA STD. C22.2 No. 62368-1

2 YEAR LIMITED WARRANTY

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**NEW**

**RC-15 Optional remote for 600 - 2000W models. 25’ cable. Detailed monitoring and remote power operation.**

---

**RC-300**
- For use with 3000 Watt models
- LCD indicates AC volts, AC amps, frequency, power (watts) and power factor
- 25’ of cable

**RC-300**
- For use with 3000 Watt models
- LCD indicates AC volts, AC amps, frequency, power (watts) and power factor
- 25’ of cable

**SPECIFICATIONS**

<table>
<thead>
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<th>Model</th>
<th>Input (VDC)</th>
<th>Output Power (W)</th>
<th>Surge Power (W)</th>
<th>Weight (lbs)</th>
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**SPECIFICATIONS**

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**Two Modes of Operation**
AC output power is available in one of the following two modes:

1. **On-line Mode:**
   AC output power is always provided by inverter. External AC input is in standby.

2. **Off-line Mode:**
   AC output is always provided by the external AC input. Inverter is in standby.
SSW SERIES
Pure Sine Wave Inverters

SSW-1000-12A

Design Features
- High surge, 2x continuous operating power
- Soft start technology – the unit ramps up gradually, putting less strain on the inverter and the load
- Compact and lightweight
- Universal circuit protection: thermal, battery, overload, short circuit, earth fault
- 350W and 600W units have a USB charging port
- 1000W, 1500W, and 2000W models include an LCD ON/OFF remote control

Applications
- Emergency backup power
- Mobile offices
- Recreational vehicles
- Camping

Compliance
ETL Safety Listed to UL Standard 458

SPECIFICATIONS

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<th>Model</th>
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<td>2</td>
<td>n/a</td>
</tr>
<tr>
<td>SSW-1500-12A</td>
<td>12</td>
<td>115</td>
<td>1500</td>
<td>3000</td>
<td>7.8</td>
<td>13.11 x 8.74 x 3.50</td>
<td>2</td>
<td>n/a</td>
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<tr>
<td>SSW-2000-12A</td>
<td>12</td>
<td>115</td>
<td>2000</td>
<td>4000</td>
<td>9.0</td>
<td>13.11 x 8.74 x 3.50</td>
<td>2</td>
<td>n/a</td>
</tr>
<tr>
<td>SSW-R1-12B</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SSW-R1-12B Remote Control for use with 1000W, 1500W & 2000W models, included.

Optional Remote Control RC-15
- For use with 600, 1000, 1500 and 2000 Watt Models
- ON/OFF button
- 15’ of cable

2 YEAR LIMITED WARRANTY

PSE SERIES
Modified Sine Wave Inverters

PSE-12125A

Design Features
- Wide DC voltage range of 10.5 VDC to 16.5 VDC
- High efficiency
- Overload protection
- High output current surge
- Low battery alarm/shut down
- Low idle power draw
- Optional remote control

Applications
- Mobile offices
- Boats
- Recreational vehicles
- Camping
- Telecommunication
- Construction sites
- Solar power systems
- Emergency backup power
- Home electronics

Compliance
2 YEAR LIMITED WARRANTY

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Input (VDC)</th>
<th>Output (VAC)</th>
<th>Output Power (W)</th>
<th>Surge (W)</th>
<th>Weight (lbs)</th>
<th>Dimensions (inches)</th>
<th>Outlets</th>
<th>USB</th>
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<tbody>
<tr>
<td>PSE-12125A</td>
<td>12</td>
<td>120</td>
<td>1250</td>
<td>2500</td>
<td>6.8</td>
<td>9.45 x 13.19 x 3.35</td>
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<tr>
<td>PSE-12175A</td>
<td>12</td>
<td>120</td>
<td>1750</td>
<td>3500</td>
<td>9.4</td>
<td>9.45 x 17.91 x 3.35</td>
<td>2</td>
<td></td>
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<tr>
<td>PSE-12275A*</td>
<td>12</td>
<td>120</td>
<td>2750</td>
<td>4500</td>
<td>16.2</td>
<td>8.07 x 19.49 x 6.30</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PSE-24125A</td>
<td>24</td>
<td>120</td>
<td>1250</td>
<td>2500</td>
<td>6.8</td>
<td>9.45 x 13.19 x 3.35</td>
<td>2</td>
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</tr>
<tr>
<td>PSE-24175A</td>
<td>24</td>
<td>120</td>
<td>1750</td>
<td>3500</td>
<td>9.4</td>
<td>9.45 x 17.91 x 3.35</td>
<td>2</td>
<td></td>
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<tr>
<td>PSE-24275A*</td>
<td>24</td>
<td>120</td>
<td>2750</td>
<td>4500</td>
<td>16.2</td>
<td>8.07 x 19.49 x 6.30</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>RC-15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Models PSE-12275A & PSE-24275A
Output AC power is available by means of hardwire connection. A NEMA-15R receptacle with 15 Amp breaker is also included.

DC-2500-KIT

Optional Remote Control RC-15
- For use with 600, 1000, 1500 and 2000 Watt Models
- ON/OFF button
- 15’ of cable

RC-15

2 YEAR LIMITED WARRANTY

Install your inverter SAFELY and SIMPLY with a Samlex Inverter Installation wiring kit.
Each kit contains industrial grade 10’ cables, a fuse assembly with a replaceable fuse & all of the hardware required to complete your inverter installation in a few easy steps. Kits are available in 4 sizes. See page 16 for more details.

SSW-1000-12A

PSE-12125A

PSE-24275A

PSE-R1-12B

SSW-R1-12B Remote Control included with every 1000W, 1500W & 2000W Model:
- Power ON/OFF
- 10’ cable with RJ45 connector
- Display Indicates: Input voltage, Output power, Input fault, Output fault
- Also sold separately

RC-15

Remote Control. Comes with 15’ cable.
* Hard-wireable
### SAM SERIES
#### Modified Sine Wave Inverters

**Design Features**
- Compact design, durable construction
- Load controlled cooling fan
- Low battery input alarm
- Universal protection circuit: thermal, battery, overload, short circuit, earth fault
- Soft start technology
- 100W to 800W models include a USB charging port, 2.1 Amps
- 1000W to 3000W models have the option for remote ON/OFF control

**Applications**
Solar power systems, Emergency backup power, Service vehicles, Mobile offices, Recreational vehicles, camping

**Compliance**
ETL Safety Listed to UL Standard 458

2 YEAR LIMITED WARRANTY

---

#### SAM-100-12

**Easily plugs into any 12V socket in your car, boat, truck or RV.**

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Input (VDC)</th>
<th>Output (VAC)</th>
<th>Output Power (W)</th>
<th>Surge (W)</th>
<th>Weight (lbs)</th>
<th>Dimensions (inches)</th>
<th>Outlets</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAM-100-12*</td>
<td>12</td>
<td>115</td>
<td>100</td>
<td>200</td>
<td>0.30</td>
<td>2.36 x 5.08 x 1.44</td>
<td>1</td>
</tr>
<tr>
<td>SAM-250-12*</td>
<td>12</td>
<td>115</td>
<td>250</td>
<td>500</td>
<td>0.92</td>
<td>4.5 x 5.9 x 1.8</td>
<td>1</td>
</tr>
<tr>
<td>SAM-450-12*</td>
<td>12</td>
<td>115</td>
<td>450</td>
<td>800</td>
<td>1.30</td>
<td>6.1 x 6.0 x 2.2</td>
<td>2</td>
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<tr>
<td>SAM-800-12*</td>
<td>12</td>
<td>115</td>
<td>800</td>
<td>1600</td>
<td>2.91</td>
<td>7.0 x 8.6 x 2.4</td>
<td>2</td>
</tr>
<tr>
<td>SAM-1000-12</td>
<td>12</td>
<td>115</td>
<td>1000</td>
<td>2000</td>
<td>3.70</td>
<td>7.1 x 9.8 x 2.32</td>
<td>2</td>
</tr>
<tr>
<td>SAM-1500-12</td>
<td>12</td>
<td>115</td>
<td>1500</td>
<td>3000</td>
<td>7.10</td>
<td>7.9 x 11.14 x 3.3</td>
<td>2</td>
</tr>
<tr>
<td>SAM-2000-12</td>
<td>12</td>
<td>115</td>
<td>2000</td>
<td>4000</td>
<td>8.50</td>
<td>7.9 x 13.58 x 3.3</td>
<td>3</td>
</tr>
<tr>
<td>SAM-3000-12</td>
<td>12</td>
<td>115</td>
<td>3000</td>
<td>6000</td>
<td>11.80</td>
<td>7.9 x 16.53 x 3.3</td>
<td>3</td>
</tr>
</tbody>
</table>

* Comes with 12V power plug
† Comes with battery clamps

---

#### SAM-1500C-12

**Modified Sine Wave Inverter/Charger**

**Design Features**
- Integrated 1500W Modified Sine Wave Inverter, 30A Transfer switch, and 2 Stage 12VDC, 15A Battery Charger
- High efficiency, lightweight, and compact for easy installation
- Separate ON/OFF control for Inverter and Battery Charger for selectable operation as inverter, charger or UPS function
- 4 color LED indicators to monitor operational status
- Load controlled fan for efficient cooling when required
- Allows use of higher capacity external 12V battery bank for longer backup time
- Neutral to Ground Bond Switching Relay for grounding compliance
- Electronic protections including GFCI when in Inverter Mode

**Applications**
Back-up power systems, Remote shelters, 12V Battery charging, RV’s, trucks & utility vehicles

2 YEAR LIMITED WARRANTY

---

**Efficient Backup Power...**
The transfer switch automatically detects utility or generator power and transitions to your battery bank when grid power is unavailable.
Also provides safe and rapid charging of 12V battery bank when grid power is available.

**Optional Fuses & Circuit Protection refer to page 17**

---

DC-FA-100

**NOTE:** Please refer to the manual for detailed installation instructions.
INVERTER ACCESSORIES
Installation Kits, Fuses & Circuit Protection

Design Features
Cable Features:
- 600V rating
- Wide operating temperature of -50°C to 105°C
- High strand count, annealed and tinmed copper conductors for high flexibility
- Has layers of insulation that provide resistance to abrasion, oils, acids and heat
- Ethylene Propylene Rubber (EPR) jacket provides the high 600V insulation and resistance to abrasion, oils acids and heat

Applications
Solar power systems
Emergency backup power
Mobile offices
Recreational vehicles, camping
Automotive
Telecommunication
Field work/Construction sites
Home electronics
Tools and appliances
Computer and printers

2 YEAR LIMITED WARRANTY

Recommended size of inverter for up to 3% voltage drop from Battery to the Inverter for 10 ft cable run and current equal to Ampere rating of the fuse.

NOTES:
- Specifications are subject to change without notice.
- Cable Specifications: (i) Red Positive, Black Negative, each 10 ft length, (ii) 600V, -50°C to 105°C.
- Stranded conductors with crimped Ring Terminals on either end: Hole diameter 0.41” for 3/8” stud.

INVERTER ACCESSORIES
Installation Kits, Fuses & Circuit Protection

Design Features
Fuses and Circuit Protection:
- 100A, 200A and 300A Marine Rated Battery Fuses are provided with DC-1000-KIT, DC-2000-KIT and DC-2500-KIT respectively. The MRBF Fuse with high Ampere Interrupting Capacity (AIC) provides easy, weatherproof and safe short circuit protection.
- 400A Class T Fuse is provided with DC-3500-KIT. Each Class T Fuse has a very high AIC, and is designed for protection against damage due to short circuit conditions in battery cables.

SPECIFICATIONS

Recommended size of inverter for up to 3% voltage drop from Battery to the Inverter for 10 ft cable run and current equal to Ampere rating of the fuse.

NOTES:
- Specifications are subject to change without notice.
- Cable Specifications: (i) Red Positive, Black Negative, each 10 ft length, (ii) 600V, -50°C to 105°C.
- Stranded conductors with crimped Ring Terminals on either end: Hole diameter 0.41” for 3/8” stud.
STS-30 
Transfer Switch

Use a Samlex Transfer Switch to automatically switch between utility power and generator or between utility power and inverter.

Design Features
- Rated capacity of 30 Amps at 120VAC and is suitable for a 30 Amp Utility Power Cord and a Generator of up to 3.6 KVA capacity
- 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 to enable time delay when transferring to a generator to provide warm-up time

Applications
Solar power systems
Emergency backup power
Mobile offices
Boats
Lighting systems

Recreational vehicles, camping
Automotive
Telecommunication
Field work/construction sites

2 YEAR LIMITED WARRANTY

SEC UL SERIES 
Battery Chargers

The SEC UL Series Battery Chargers are fully automatic and based on Samlex’s industry proven design that professionals have depended on for years.

Design Features
- High efficiency, commercial grade, lightweight, quiet operation
- 2 or 3 stage charging (user selectable)
- 120 or 230 VAC, 50/60 Hz (user selectable)
- For all types of Lead Acid batteries
- Charge loaded or unloaded batteries
- Use as a power supply or DC UPS
- Universal Protection Circuit – short circuit, overload, reverse battery polarity
- Charge 2 to 3 banks of batteries at once — no isolator necessary
- Optional remote LED panel (select models)
- Temperature Compensated Charging (select models)
- Half power mode (select models)

Applications
Automotive
Recreational vehicles
Boats
Communication sites
Battery back-up systems
Alternative energy systems

Compliance
Safety Certified and Listed to UL Standard UL-156, EMI Complaint to FCC Part 15(B), Class B, RoHS

2 YEAR LIMITED WARRANTY

Pre-wired
For ease of connection for setting up back up power / UPS system comprised of an inverter, battery charger, and batteries.

Primary AC power
Is drawn from Electric Utility, Shore Power or Generator.

Back up power
Is provided by inverter powered from batteries charged by battery charger.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Weight (lbs)</th>
<th>Dimensions (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STS-30</td>
<td>Automatic Transfer Switch, 30A</td>
<td>4.4</td>
<td>9.0 x 8.4 x 3.2</td>
</tr>
</tbody>
</table>

900-RC Remote Control
The 900-RC Remote Control comes with a 33’’ cable. The Remote Panel can be used to power ON/OFF and also monitor the charging status from a remote location.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>VDC</th>
<th>Amps</th>
<th>Weight (lbs)</th>
<th>Dimensions (inches)</th>
<th>Temp. Sensor</th>
<th>Half Power Mode</th>
<th>Optional Remote</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEC-1215UL</td>
<td>12</td>
<td>15</td>
<td>4.8</td>
<td>8.5 x 8.4 x 3.3</td>
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<td>-</td>
<td>-</td>
</tr>
<tr>
<td>SEC-1220UL</td>
<td>12</td>
<td>20</td>
<td>6.4</td>
<td>10.8 x 8.4 x 3.3</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>SEC-1250UL</td>
<td>12</td>
<td>50</td>
<td>11.0</td>
<td>13.0 x 9.6 x 3.82</td>
<td>Yes</td>
<td>Yes</td>
<td>900-RC</td>
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<tr>
<td>SEC-1260UL</td>
<td>12</td>
<td>80</td>
<td>12.1</td>
<td>15.0 x 9.6 x 3.82</td>
<td>Yes</td>
<td>Yes</td>
<td>900-RC</td>
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<td>SEC-2415UL</td>
<td>24</td>
<td>15</td>
<td>6.4</td>
<td>10.8 x 8.4 x 3.3</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>SEC-2425UL</td>
<td>24</td>
<td>25</td>
<td>11.0</td>
<td>13.0 x 9.6 x 3.82</td>
<td>Yes</td>
<td>Yes</td>
<td>900-RC</td>
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<tr>
<td>SEC-2440UL</td>
<td>24</td>
<td>40</td>
<td>12.1</td>
<td>15.0 x 9.6 x 3.82</td>
<td>Yes</td>
<td>Yes</td>
<td>900-RC</td>
</tr>
</tbody>
</table>

NOTE: Please refer to the manual for detailed installation instructions.

Temperature sensor prevents under/over charging of battery if temperature varies extensively.
SRV SERIES
Solar Charging Kits

Design Features
- Solar panels constructed with top of the line solar cell, all weather anodize aluminum and tempered glass that comply with the highest industry standards
- High efficiency
- Waterproof connectors
- Resistant to harsh weather conditions
- Flush mount 30A charge controller with LED status indicators, LCD display, battery equalization and 8 charge settings
- Weather resistant 20° solar panel connecting wires
- Aluminum mounting brackets with large surface areas on top for best stability and five drilling holes for convenient installation

All the parts you need to start using solar in a few simple steps.

Applications
Solar power systems
Emergency backup power
Mobile offices
Boats
Lighting systems

SSP SERIES
Solar Panel Kits

Mix and match panels with charge controllers (see pages 23-25) and accessories for a customized solar system. Can also be used to expand SRV Kits.

Includes:
- High efficiency Solar Panel
- SCW-20-2 Connecting Wires
- SMS-KIT Mounting Brackets & Hardware

Available in 100 and 150 Watts.

Applications
Solar power systems
Emergency backup power
Mobile offices
Boats
Lighting systems

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 aluminum frames
- Resistent to harsh weather conditions

Charge Controller
Samlex 30 Amp Flush Mount Charge Controllers regulate current and protect your batteries from over-charging.

Connecting Wires
A pair of weather resistant 20° connecting wires are provided to connect your panel to a charge controller or to an additional panel. Also sold separately.

Mounting Brackets & Hardware
Provided to secure the solar panel to a flat surface while providing space underneath to facilitate cooling. Also sold separately.

SAMLEX BULK SOLAR PANELS are available by special order.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Solar Panel</th>
<th>Panel Weight (lbs)</th>
<th>Panel Dimensions (Inches)</th>
<th>Charging Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRV-100-30A</td>
<td>100W</td>
<td>17.63</td>
<td>47.25 x 21.73 x 1.39</td>
<td>5.81A</td>
</tr>
<tr>
<td>SRV-150-30A</td>
<td>150W</td>
<td>26.4</td>
<td>26.0 x 58.03 x 1.39</td>
<td>8.82A</td>
</tr>
</tbody>
</table>

Solar Accessories
(sold separately)

ADJ-28
Adjustable Solar Panel Tilt Mount
Over 30 adjustable settings from 0-90°. Get up to 40% more out of your solar panel.

SBC-2
Branch Connectors
Connect panels in parallel. Includes (1) male and (1) female. Use to expand SRV kits with SSP panels.

MCA-2
Multi-Contact Connectors
Connect panels in series. Includes (1) male and (1) female.

SCW-20-2
Connecting Wires
Connect your panel to a charge controller or to an additional panel. 20’ of cable provided.

SMS-KIT
Mounting Brackets & Hardware
Secures the solar panel to a flat surface, provides space underneath for cooling.

Customize or expand your solar system based on your power needs.
**MSK SERIES**
Portable Charging Kits

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Solar Output</th>
<th>Cell Type</th>
<th>Weight (lbs)</th>
<th>Dimensions (inches)</th>
<th>Charging Power</th>
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<tbody>
<tr>
<td>MSK-90</td>
<td>90 Watts</td>
<td>Monocrystalline</td>
<td>25.2</td>
<td>40.75 x 25.39 x 1.18</td>
<td>5.68 Amps</td>
</tr>
<tr>
<td>MSK-135</td>
<td>135 Watts</td>
<td>Monocrystalline</td>
<td>35.6</td>
<td>59.65 x 24.41 x 1.18</td>
<td>8.52 Amps</td>
</tr>
<tr>
<td>MSK-XLR</td>
<td>2-pin XLR Adapter (sold separately)</td>
<td>Monocrystalline</td>
<td>35.6</td>
<td>59.65 x 24.41 x 1.18</td>
<td>8.52 Amps</td>
</tr>
<tr>
<td>MSK-EXT</td>
<td>Extension Cable (sold separately)</td>
<td></td>
<td>10 meters / 33 feet</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Applications**
- Emergency Back-up Power
- Field Work
- Cabins
- Camping
- Boating

**Design Features**
- Solar panel is pre-wired with battery clamps for a quick and easy connection, 16’ cable
- Turn the panel a few times per day and increase charging by 30%
- Adjustable legs allow for maximum sun exposure
- Folding crystalline panels in anodized aluminum frames, won’t rust
- Built-in 10 Amp charge controller manages the charge to the battery and prevents overcharging
- For use with 12V Lead Acid batteries (not included)
- Includes protective carrying case

**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 well protected from over-charging in warm environments. For use exclusively with SCC-30AB. Sold separately.

**SCC-30AB**
Solar Charge Controllers

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Input (VDC)</th>
<th>Amps (A)</th>
<th>Weight (lbs)</th>
<th>Dimensions (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCC-30AB</td>
<td>12/24</td>
<td>30</td>
<td>0.8</td>
<td>7.48 x 4.25 x 1.38</td>
</tr>
<tr>
<td>DC-BTS-A-C</td>
<td>Battery Temperature Sensor</td>
<td>0.4</td>
<td>33.0 x 0.1 x 0.1</td>
<td></td>
</tr>
</tbody>
</table>

**Design Features**
- PWM series type
- Battery equalization
- 8 charge settings for most battery types
- 4-stage charging with LED indicators
- Digital LCD display indicates battery voltage, PV current, PV watts, daily and accumulated Ah, charging stage and battery temperature
- Switch selectable 12 VDC or 24 VDC
- Flush mount design

**Applications**
- Mobile command centers
- Service vehicles
- Boats
- Off-grid & mobile solar systems
- Field work
- Rural electrification
- Solar home systems
- Recreational vehicles

**What’s in Your MSK Kit**
- 10 Amp Built-in Charge Controller
- Pre-wired Battery Clamps
- New 2-pin XLR Adapter
- New MSK-XLR 2-pin XLR Adapter
- New MSK-EXT Extension Cable
- New Protective Carrying Case

**NEW**
- 3 Fold Solar Panel
- Optional:
  - Pre-wired Battery Clamps
  - 2-pin Adapter

**10 YEAR POWER WARRANTY**

**5 YEAR LIMITED WARRANTY**
**SMC & SCC SERIES**

**Solar Charge Controllers**

<table>
<thead>
<tr>
<th>Model</th>
<th>Input (VDC)</th>
<th>Amps (A)</th>
<th>Weight (lbs)</th>
<th>Dimensions (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMC-10</td>
<td>12/24</td>
<td>10</td>
<td>0.33</td>
<td>5.71 x 3.94 x 0.94</td>
</tr>
<tr>
<td>SMC-20</td>
<td>12/24</td>
<td>20</td>
<td>0.80</td>
<td>7.36 x 3.75 x 1.77</td>
</tr>
<tr>
<td>SCC-1208L</td>
<td>12/24</td>
<td>8</td>
<td>0.276</td>
<td>3.8 x 1.8 x 1.0</td>
</tr>
</tbody>
</table>

**Design Features**

**SMC-20**
- 20 Amps
- LEDs indicate battery state of charge
- Temperature compensation
- Multi-stage charging technology
- Voltage and current regulation
- Automatic load reconnection
- Programmed for use with flooded AGM batteries
- Automatically detects 12 or 24 Volts

**SMC-10**
- 10 Amps
- LEDs indicate battery state of charge
- Temperature compensation
- Multi-stage charging technology
- Voltage and current regulation
- Automatic load reconnection
- Programmed for use with sealed GEL batteries
- Automatically detects 12 or 24 Volts

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**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Input (VDC)</th>
<th>Amps (A)</th>
<th>Weight (lbs)</th>
<th>Dimensions (inches)</th>
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<tbody>
<tr>
<td>SMC-10</td>
<td>12/24</td>
<td>10</td>
<td>0.33</td>
<td>5.71 x 3.94 x 0.94</td>
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<td>20</td>
<td>0.80</td>
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<td>SCC-1208L</td>
<td>12/24</td>
<td>8</td>
<td>0.276</td>
<td>3.8 x 1.8 x 1.0</td>
</tr>
</tbody>
</table>

**SCC-1208L**
8 Amp Charge Controller
- Rated IP65, sealed, splash proof weather resistant design
- Automatically turns ON lights when dark and turns OFF during the day
- Wide operating temperature range of -40°C to +60°C

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Input (VDC)</th>
<th>Amps (A)</th>
<th>Weight (lbs)</th>
<th>Dimensions (inches)</th>
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<tbody>
<tr>
<td>SOLSUM 6.6 F</td>
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<td>0.33</td>
<td>5.71 x 3.94 x 0.94</td>
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<td>5.71 x 3.94 x 0.94</td>
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<tr>
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<td>15</td>
<td>0.76</td>
<td>7.36 x 3.78 x 1.77</td>
</tr>
<tr>
<td>PRS-3030</td>
<td>12/24</td>
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<td>0.76</td>
<td>7.36 x 3.78 x 1.77</td>
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<td>PR-1010</td>
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<td>7.36 x 3.78 x 1.78</td>
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<td>12/24</td>
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<td>30</td>
<td>0.77</td>
<td>7.36 x 3.78 x 1.78</td>
</tr>
<tr>
<td>MPPT-6000*</td>
<td>12/24/48</td>
<td>60</td>
<td>13.0</td>
<td>4.8 x 2.16 x 5.78</td>
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<tr>
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<td>12/24</td>
<td>20</td>
<td>77.2</td>
<td>4.92 x 11.61 x 13.18</td>
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<tr>
<td>TAROM SERIES*</td>
<td>12/24/48</td>
<td>See individual models</td>
<td></td>
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<tr>
<td>TAROM 4545*</td>
<td>12/24</td>
<td>45</td>
<td>1.76</td>
<td>8.58 x 5.27 x 2.55</td>
</tr>
</tbody>
</table>

**MPPT-6000**
Maximum Power Point charge controller. Outstanding efficiency along with unique safety features make it a universal top-grade charge controller. Available by Special Order.

**TAROM SERIES**
Specially designed for industrial and outdoor applications, the Steca Power Tarom comes with an IP 65 casing made of powder-coated steel. This solar charge controller can be used to control system sizes of up to 8,400 Wp at three voltage levels (12V, 24V, 48V). Available by Special Order.

**TAROM 4545**
Hybrid charge controller. The Steca Tarom charge controller is the best choice for system sizes of up to 2,400 Wp at three voltage levels (12V, 24V, 48V). Available by Special Order.

---

**STECA SERIES**

**Solar Charge Controllers**

**SOLSUM SERIES**
Economical, PWM Series type controller. Wide operating temperature range.

**PRS SERIES**
Simple and cost effective, PWM Series type controller. Wide operating temperature range.

**PR SERIES**
High performance, PWM Shunt type controller with LCD display. Shows SOC, all currents, alarms, Ah and more.

**PR-2020IP**
The Steca PR 2020 IP has been specially designed for operation in difficult environments with high salt, moisture and dust content. Suitable for outdoor installation (IP65).

---

**5 YEAR LIMITED WARRANTY**

---

**2 YEAR LIMITED WARRANTY**

---
SUNCHARGER SERIES
Battery Maintainers

Design Features
- Maintains 12V battery charge using energy from the sun
- Maintenance free
- Overcome the self-discharge of a battery and extend battery life
- Ultra slim, compact and weather-proof
- Rugged, durable construction - no metal or glass
- Comes with a standard 12V power plug
- Integrated blocking diodes to prevent discharge from the battery

Applications
Service vehicles  Cars
Fleet  Trucks
Marine  Motorcycles
ATV’s  Recreational vehicles
Private aircrafts

2 YEAR LIMITED WARRANTY

Maintenance free!
Perfect for maintaining the battery in your RV, Car, Boat, Motorcycle or ATV with the power of the sun!
Plug into any connected 12V power socket to keep your battery from self discharging. Extends the life of your batteries and saves on replacement costs.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Max Power Voltage, VDC</th>
<th>Max Power Current, A</th>
<th>Max Power, W</th>
<th>Dimensions (inches)</th>
<th>Weight (lbs)</th>
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<tbody>
<tr>
<td>SC-05</td>
<td>12.7 VDC</td>
<td>0.39 A</td>
<td>5W</td>
<td>11.22 x 8.03 x 0.52</td>
<td>0.8</td>
</tr>
<tr>
<td>SC-10</td>
<td>12.7 VDC</td>
<td>0.79 A</td>
<td>10W</td>
<td>14.17 x 11.22 x 0.52</td>
<td>1.2</td>
</tr>
</tbody>
</table>

ACR-160 Automatic Charge Isolator

ACR-160 is a voltage dependent switch that separates or parallels starter and auxiliary battery banks. Protects the starter battery from deep discharge, and charges both battery banks while prioritizing starter battery without having to reset the alternator or rewire the system. Also known as a Battery Separator or Automatic Charging Relay.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Amps (A)</th>
<th>Weight (lbs)</th>
<th>Dimensions (inches)</th>
<th>Compliance</th>
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<tbody>
<tr>
<td>ACR-160</td>
<td>Automatic Charge Isolator</td>
<td>150</td>
<td>1.0</td>
<td>4.2 x 2.9 x 2.3</td>
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<tr>
<td>BG-40</td>
<td>Battery Guard</td>
<td>40</td>
<td>0.5</td>
<td>3.2 x 2.6 x 1.4</td>
<td>CE</td>
</tr>
<tr>
<td>BG-60</td>
<td>Battery Guard</td>
<td>60</td>
<td>0.5</td>
<td>3.2 x 2.6 x 1.4</td>
<td>CE</td>
</tr>
<tr>
<td>BG-200</td>
<td>Battery Guard</td>
<td>200</td>
<td>0.5</td>
<td>4.5 x 4.7 x 2.4</td>
<td>CE</td>
</tr>
<tr>
<td>BW-01</td>
<td>Battery Monitor</td>
<td>-</td>
<td>0.125</td>
<td>2.6 x 2.6 x 0.8</td>
<td>CE</td>
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<tr>
<td>BW-03</td>
<td>Battery Monitor</td>
<td>-</td>
<td>0.2</td>
<td>2.4 x 2.4 x 0.8</td>
<td>CE</td>
</tr>
</tbody>
</table>

ISOLATOR, GUARDS & MONITORS
Battery Accessories

Design Features
Battery Guards
- Extends battery life; prevents damage to connected components
- Program disconnect/reconnect at 10 different voltages settings
- Protects against excessive voltage caused by faulty alternators or chargers
- Prevents excessive discharge of batteries
- Automatic voltage detection, 12 VDC or 24 VDC
- Models: BG-40, BG-60 and BG-200

Battery Monitors
- 12 VDC or 24 VDC programmable monitor
- Displays battery state of charge through LED patterns
- BW-03 monitors 2 batteries
- Models: BW-01 and BW-03

Applications
Marine  Renewable energy
Automotive  Commercial/industrial
Recreational & Utility Vehicles  Communications

2 YEAR LIMITED WARRANTY

NOTE: Please refer to the manual for detailed installation instructions.
SDC SERIES
DC-DC Step-Down Converters

The SDC Series DC-DC converters are non-isolated and meant for use in negative ground systems. These converters are designed for heavy duty applications.

### Design Features
- Advanced switch mode design
- Converts 24 VDC to 12 VDC
- Compact and lightweight
- High efficiency
- Current limiting circuit
- Over voltage protection
- Short circuit protection
- Reverse polarity protection
- Mount in almost any location

### Applications
- Earth moving equipment
- Heavy trucks
- Buses
- Marine
- Two-way radios
- 12 Volt lighting systems
- AM/FM sound systems
- Instrumentation

### Compliance
CE

---

IDC SERIES
DC-DC Isolated Converters

The IDC Series is a complete line of highly efficient DC-DC converters suitable for applications requiring isolation between input and output. 48 VDC output models are available by special order.

### Design Features
- Advanced switch mode design
- Current limited
- Compact and lightweight
- High efficiency
- Short circuit protected
- ¼” push-on flat pin connectors
- Use with either negative or positive input

### Applications
- Earth moving equipment
- Heavy trucks
- Buses
- Marine
- Communications
- Two-way radio
- Lighting systems
- AM/FM sound systems
- Instrumentation

### Compliance
CE

---

### 2 YEAR LIMITED WARRANTY

---

### SPECIFICATIONS

#### SDC Series

<table>
<thead>
<tr>
<th>Model</th>
<th>Input (VDC)</th>
<th>Output (VDC)</th>
<th>Amps (A)</th>
<th>Weight (lbs)</th>
<th>Dimensions (inches)</th>
<th>Compliance</th>
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<td>SDC-5</td>
<td>20-32</td>
<td>13.8</td>
<td>5.0</td>
<td>0.4</td>
<td>3.5 x 2.7 x 1.9</td>
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</tr>
<tr>
<td>SDC-12</td>
<td>20-32</td>
<td>13.6</td>
<td>12</td>
<td>0.6</td>
<td>3.9 x 3.5 x 1.9</td>
<td>CE</td>
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<tr>
<td>SDC-15</td>
<td>20-35</td>
<td>13.8</td>
<td>12</td>
<td>2.0</td>
<td>7.8 x 4.8 x 2.4</td>
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<tr>
<td>SDC-23</td>
<td>20-35</td>
<td>13.8</td>
<td>20</td>
<td>2.2</td>
<td>7.8 x 4.8 x 2.4</td>
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<tr>
<td>SDC-30</td>
<td>20-32</td>
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<td>30</td>
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<td>SDC-60</td>
<td>20-35</td>
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<td>60</td>
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#### IDC Series

<table>
<thead>
<tr>
<th>Model</th>
<th>Input (VDC)</th>
<th>Output (VDC)</th>
<th>Amps (A)</th>
<th>Weight (lbs)</th>
<th>Dimensions (inches)</th>
<th>Compliance</th>
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<tbody>
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<td>IDC-100A-12</td>
<td>9 - 18</td>
<td>12.5</td>
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<td>5.9 x 3.5 x 1.9</td>
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<td>IDC-100B-12</td>
<td>20 - 35</td>
<td>12.5</td>
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<td>5.9 x 3.5 x 1.9</td>
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<tr>
<td>IDC-100C-12</td>
<td>30 - 60</td>
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<tr>
<td>IDC-100D-12</td>
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<td>12.5</td>
<td>8</td>
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<td>5.9 x 3.5 x 1.9</td>
<td>CE</td>
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<tr>
<td>IDC-100A-24</td>
<td>9 - 18</td>
<td>24.5</td>
<td>4</td>
<td>1.2</td>
<td>5.9 x 3.5 x 1.9</td>
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<td>IDC-100C-24</td>
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<td>IDC-200A-12</td>
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<td>6.9 x 3.5 x 1.9</td>
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<td>IDC-200C-12</td>
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<td>12.5</td>
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<td>IDC-200D-12</td>
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<td>12.5</td>
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<td>1.4</td>
<td>6.9 x 3.5 x 1.9</td>
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<tr>
<td>IDC-200A-24</td>
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<td>24.5</td>
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<td>IDC-200B-24</td>
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<td>IDC-200D-24</td>
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<td>4</td>
<td>1.2</td>
<td>6.9 x 3.5 x 1.9</td>
<td>CE</td>
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</table>

---

DC-DC Converters can be used to:

1. **Step-Down** voltages where the output voltage is lower than the input voltage.
2. **Step-Up** voltages where the output voltage is higher than the input voltage.
3. **Stabilize** voltages where the nominal input voltages and output voltages are the same.
**STEP, VTC & IDC SERIES**

**DC-DC Step-Up Converters**

**Design Features**

**STEP 7, 10 & 20**
- Switch mode design, non-isolated
- Over-current, over-voltage, reverse polarity protection
- ¼” push-on flat pin connectors

**IDC SERIES**
- Isolated
- Short circuit protected, current limited
- High efficiency, compact and lightweight

**Applications**

Earth moving equipment
Heavy trucks
Buses
Marine
Two-way radios
DC lighting systems
AM/FM sound systems

**Compliance** CE

---

**BRM SERIES**

**Redundant Switching Power Supplies**

**Design Features:**
- Modular switch mode power supply
- Provides N + 1 redundancy with modules operating in parallel
- Built in DC UPS function with backup battery charging (requires external battery)
- 25 pin D-sub connector for opto-isolated remote monitoring
- Module status LEDs, fault indicator LEDs and fault alarm are standard features on all models
- Voltage/Ampere meter

**Applications**

Two-way radio base stations
Automotive displays
Communication systems
Marine displays
Security systems
DC computers
Test equipment
Lighting systems
GPS receivers
OEM applications

**Compliance** CSA available in Canada

---

**SPECIFICATIONS**

**STEP 7**

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<thead>
<tr>
<th>Model</th>
<th>Input (VDC)</th>
<th>Output (VDC)</th>
<th>Amps (A)</th>
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<th>Compliance</th>
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**STEP 10**

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**STEP 20**

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<th>Compliance</th>
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<td>23.6 - 25.7</td>
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**IDC-100A-24**

<table>
<thead>
<tr>
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<th>Output (VDC)</th>
<th>Amps (A)</th>
<th>Weight (lbs)</th>
<th>Dimensions (inches)</th>
<th>Compliance</th>
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<tbody>
<tr>
<td>IDC-100A-24</td>
<td>9 - 18</td>
<td>23.6 - 25.7</td>
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**IDC-200A-24**

<table>
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<th>Output (VDC)</th>
<th>Amps (A)</th>
<th>Weight (lbs)</th>
<th>Dimensions (inches)</th>
<th>Compliance</th>
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<td>23.6 - 25.7</td>
<td>8</td>
<td>1.4</td>
<td>6 x 3.5 x 1.9</td>
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**IDC-360A-24**

<table>
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<th>Output (VDC)</th>
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<th>Weight (lbs)</th>
<th>Dimensions (inches)</th>
<th>Compliance</th>
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<tbody>
<tr>
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<td>23.6 - 25.7</td>
<td>15</td>
<td>3.1</td>
<td>7 x 5.2 x 3.2</td>
<td>CE</td>
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</tbody>
</table>

**VTC Series**

- Switch mode design, non-isolated
- Shock and vibration tolerance
- Current limiting circuit; over voltage crowbar circuit
- Rugged marine grade aluminum case

**Design Features**

- Switch mode design, non-isolated
- Over-current, over-voltage, reverse polarity protection
- ¼” push-on flat pin connectors

**Applications**

Earth moving equipment
Heavy trucks
Buses
Marine
Two-way radios
DC lighting systems
AM/FM sound systems

**Compliance** CE

---

**VTC Series**

**Design Features**

- Switch mode design, non-isolated
- Shock and vibration tolerance
- Current limiting circuit; over voltage crowbar circuit
- Rugged marine grade aluminum case

**Applications**

Earth moving equipment
Heavy trucks
Buses
Marine
Two-way radios
DC lighting systems
AM/FM sound systems

**Compliance** CE

---

**SPECIFICATIONS**

**BRM SERIES**

**Redundant Switching Power Supplies**

**Design Features: BRM Series**

- Modular switch mode power supply
- Provides N + 1 redundancy with modules operating in parallel
- Built in DC UPS function with backup battery charging (requires external battery)
- 25 pin D-sub connector for opto-isolated remote monitoring
- Module status LEDs, fault indicator LEDs and fault alarm are standard features on all models
- Voltage/Ampere meter

**Applications**

Two-way radio base stations
Automotive displays
Communication systems
Marine displays
Security systems
DC computers
Test equipment
Lighting systems
GPS receivers
OEM applications

**Compliance** CSA available in Canada

---

**SPECIFICATIONS**

**VTC Series**

**Design Features**

- Switch mode design, non-isolated
- Shock and vibration tolerance
- Current limiting circuit; over voltage crowbar circuit
- Rugged marine grade aluminum case

**Applications**

Earth moving equipment
Heavy trucks
Buses
Marine
Two-way radios
DC lighting systems
AM/FM sound systems

**Compliance** CE

---

**SPECIFICATIONS**

**BRM SERIES**

**Redundant Switching Power Supplies**

**Design Features: BRM Series**

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**Applications**

Two-way radio base stations
Automotive displays
Communication systems
Marine displays
Security systems
DC computers
Test equipment
Lighting systems
GPS receivers
OEM applications

**Compliance** CSA available in Canada

---

**SPECIFICATIONS**
SEC SERIES
Switching Power Supplies

- Advanced switch-mode technology
- Reliable power with minimum weight and size
- Circuit innovations minimize output voltage ripple and RFI
- Input voltage can be set internally to 120 VAC or 230 VAC
- SEC-1235M comes with meter

Applications
Two-way radio base stations
Communication systems
Security systems
GPS Receivers

Compliance
FCC, CE, UL, Safety Listed, RoHS

3 YEAR LIMITED WARRANTY

SEC-R1 & SEC-R2

Rackplates (sold separately) can be used with all Samlex SEC Series power supply models – including the SEC-1223BBM.

BBM SERIES
Switching Power Supplies with Battery Backup Circuit

- Advanced switch-mode technology
- Reliable uninterruptible DC power source in conjunction with external Lead Acid Battery
- Efficient, compact and lightweight
- Units available preset to 120 or 230 VAC
- Protected against short circuit, overload, over voltage and over temperature
- Cooling by temperature controlled fan improves efficiency and prolongs life of the fan

Applications
Two-way radio base stations
Communication systems
Security systems
Test equipment
GPS Receivers

Compliance
FCC Part 15(B), Class B, RoHS, UL Safety Listed, CE

3 YEAR LIMITED WARRANTY

Battery Backup Modules

Connect these modules to an AC-DC power supply to provide battery back-up power to your DC equipment in the event of an AC power failure. On return of AC power, the module regulates output current and voltage to recharge the batteries, as well as supply the DC loads.

Specifications
- Model: BBM-1200
  - Input Voltage: ≤ 28 VDC
  - Output Voltage: ≤ 4.0 VDC
  - Weight: ≤ 100 A
  - Dimensions (inches): 12 x 4 x 1.0

Desktop power supply and radio cabinet combinations are available (see page 35).
Integrate your mobile radio with Samlex SEC Series power supplies to create an attractive and functional desktop base station unit. Cabinets are custom fit to specific land mobile radio models. Please see reference chart for exact fits. Cabinets are available separately or packaged in combination with an SEC-1212 or SEC-1223 power supply. All SEC Series desktop power supplies, including BBM Series can be used with any of the radio cabinets interchangeably.

**BASE STATION COMBINATIONS**

**Cabinets & Power Supplies**

Cabinets & Power Supply Combination

3 YEAR LIMITED WARRANTY

Cabinet Only

Cabinet & SEC-1212 Power Supply Combination (Radio not included)

Cabinet & SEC-1223 Power Supply Combination (Radio not included)

Custom Models

Samlex is always looking to expand our radio cabinet offering to accommodate new and popular radios. Let us know if you are getting requests for a Radio Cabinet we don’t currently offer!

**BASE STATION COMBINATIONS**

**Cabinets & Power Supplies**

<table>
<thead>
<tr>
<th>Cabinet Only</th>
<th>Cabinet &amp; SEC-1212</th>
<th>Cabinet &amp; SEC-1223</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Motorola Radio Models</strong></td>
<td></td>
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<tr>
<td>M160, M120, GM300</td>
<td>12010-M</td>
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<tr>
<td>SM50, SM120, M1225, GTX, CX2000, CM300, CM600D, CM300D, PM4000, XPR2500, DM1600</td>
<td>12060-M</td>
<td>SEC-1212-SM SEC-1223-SM</td>
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<tr>
<td>CD6750, CM25125, CMH1550</td>
<td>12220-M</td>
<td>SEC-1212-CDM SEC-1223-CDM</td>
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<tr>
<td>MOTOTRBO XPR4350, XPR4360, XPR6380, XPR6150, DG6100</td>
<td>12337-M</td>
<td>SEC-1212-MOTOTRBO SEC-1223-MOTOTRBO</td>
</tr>
<tr>
<td>MOTOTRBO XPR5500 Series, DGM5000, 5500, 8000, 8500, DM4000</td>
<td>12430-M</td>
<td>SEC-1212-MT-XPR5500 SEC-1223-MT-XPR5500</td>
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<tr>
<td>XTL 1500, XTL 2500 Mid Power, XTL 5000 Mid Power, APX 6000 with DE Control Head Mid Power</td>
<td>12345-M</td>
<td>SEC-1212-XTL-MID SEC-1223-XTL-MID</td>
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<tr>
<td><strong>Vertex Radio Models</strong></td>
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<tr>
<td>VX2000, VX2500, VX3000, VX3200</td>
<td>12070-V</td>
<td>SEC-1212-VX SEC-1223-VX</td>
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<tr>
<td>VX4000, VX5000, VX5500/6000 Low Band</td>
<td>12120-V</td>
<td>SEC-1212-VX2 SEC-1223-VX2</td>
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<tr>
<td>VX400/4200 Series</td>
<td>12260-V</td>
<td>SEC-1212-VX3 SEC-1223-VX3</td>
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<tr>
<td>VX2200, VX2100, EVX-5300/5400, VX4500, VX4600</td>
<td>12280-V</td>
<td>SEC-1212-VX4 SEC-1223-VX4</td>
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<tr>
<td>VX237200</td>
<td>12337-M</td>
<td>SEC-1212-MOTOTRBO SEC-1223-MOTOTRBO</td>
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<td><strong>Kenwood Radio Models</strong></td>
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<tr>
<td>TK-7160, TK-8160</td>
<td>12250-K</td>
<td>SEC-1223-AK</td>
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<td>TK-7160, TK-8160</td>
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<tr>
<td>TX-5700, TX-5800, TX-5900, TX-7300, TX-5810, TX-5910, TX-8160H</td>
<td>12450-K</td>
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<tr>
<td>TX-7160, TX-8160</td>
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<tr>
<td><strong>Hytera Radio Models</strong></td>
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<tr>
<td>MD78X Series</td>
<td>12440-H</td>
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<tr>
<td><strong>Harris (M/A Com) Radio Models</strong></td>
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<tr>
<td>M7300, M5300, XG-75M</td>
<td>12480-H</td>
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<tr>
<td>M7100</td>
<td>12170-H</td>
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<tr>
<td>500M/MDX</td>
<td>12180-H</td>
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<tr>
<td><strong>Icom Radio Models</strong></td>
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<tr>
<td>IC-A110, IC-F110P/F12010, IC-F160P/2619</td>
<td>12110-I</td>
<td>SEC-1212-IC1 SEC-1223-IC1</td>
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<tr>
<td>IC-F910, 320, 410, 510, 610, 620</td>
<td>12120-I</td>
<td>SEC-1212-IC2 SEC-1223-IC2</td>
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<td>IC-2820H, IC-2821H, IC-2822H</td>
<td>12280-I</td>
<td>SEC-1223-IC3</td>
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<td><strong>Yaesu Radio Models</strong></td>
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<tr>
<td>FT-2800</td>
<td>12333-I</td>
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</tbody>
</table>

**NOTE:** Radios not included. If your desired radio is not listed, contact Samlex.