

2008



SAMLEX AMERICA

POWER CONVERSION PRODUCT GUIDE

Desktop Power Supplies

Rackmount Power Supplies

OEM Power Supplies

DC-DC Converters

DC Battery Chargers

Pure Sine Wave Inverters

Modified Sine Wave Inverters

1 - 8 0 0 - 5 6 1 - 5 8 8 5
www.samlexamerica.com

2008



Mission Statement

To develop enduring relationships with our customers by providing innovative power conversion products supported by personal customer service.

About Samlex

Samlex America has manufactured and distributed power supply products to more than **90** countries worldwide since **1991**. Innovative product designs, strict quality control, and responsible after sales service provide customers with high quality power conversion products at extremely competitive prices.

OEM services are available to companies that require high quality, low cost alternatives to manufacturing finished goods in their own facilities. Samlex can assist in all areas of product development from initial design to final assembly and packaging. You will work directly with our OEM team and develop a plan to have your product manufactured to your precise specifications or to develop cost saving strategies by modifying your existing product for mass production in one of our assembly factories.

Category Index

| | |
|---|--------|
| Power Supplies, Desktop..... | Page 1 |
| Power Supplies, Rack Mount..... | Page 2 |
| Power Supplies, OEM..... | Page 3 |
| Battery Chargers & Battery Accessories..... | Page 4 |
| DC-DC Converters, (Step-up / Step down)..... | Page 5 |
| DC-DC Converters, (OEM / Industrial)..... | Page 6 |
| DC-AC Inverters, (Pure & Modified Sine Wave)..... | Page 7 |
| Accessories..... | Page 8 |

Cellular / Hobby



Multi-purpose switching power supply with dc terminals on the rear. Model SPS-1204 is UL safety listed for USA and Canada.

| Model | Input | Output | Amps | Wt | Dim |
|------------|---------|----------|-------|------|--------------|
| SPS-1204UL | 120 VAC | 13.2 VDC | 3.5 A | 2 lb | 2 x 4 x 6.3" |
| SPS-1206 | 120 VAC | 13.2 VDC | 5.5 A | 2 lb | 2 x 4 x 6.3" |

Desktop 12 Volts / Switching



Multi-purpose switching power supplies used for communications, audio and hobby applications.

| Model | Input | Output | Amps | Wt | Dim |
|------------|---------|----------|------|--------|------------------|
| SEC-1212 | 120 VAC | 13.8 VDC | 10 A | 3 lb | 2.4 x 7 x 8.7" |
| SEC-1212CE | 230 VAC | 13.8 VDC | 10 A | 3.5 lb | 2.4 x 7 x 8.7" |
| SEC-1223 | 120 VAC | 13.8 VDC | 23 A | 3.5 lb | 2.4 x 7 x 8.7" |
| SEC-1223CE | 230 VAC | 13.8 VDC | 23 A | 4 lb | 2.4 x 7 x 8.7" |
| SEC-1235 | 120 VAC | 13.8 VDC | 30 A | 3.5 lb | 2.5 x 7.3 x 8" |
| SEC-1235M | 120 VAC | 13.8 VDC | 30 A | 3.4 lb | 2.5 x 7.3 x 8.4" |



Multi-purpose switching power supplies used for communications, audio and hobby applications.

| Model | Input | Output | Amps | Wt | Dim |
|--------------|---------|----------|------|--------|------------------|
| ESP-120-13.5 | 120/220 | 13.8 VDC | 8 A | 3.3 lb | 5.9 x 5.5 x 2.9" |
| ESP-240-13.5 | 120/220 | 13.8 VDC | 16 A | 3.3 lb | 5.9 x 5.5 x 2.9" |

Desktop 12 Volts / Linear



RPS Multi-purpose Linear power supplies used for communications, audio and hobby applications.

| Model | Input | Output | Amps | Wt | Dim |
|--------------|---------|----------|------|---------|------------------|
| RPS-1203 | 120 VAC | 13.8 VDC | 3 A | 5 lb | 4.8 x 6.3 x 9.5" |
| RPS-1203UL | 120 VAC | 13.8 VDC | 3 A | 5 lb | 4.8 x 6.3 x 9.5" |
| RPS-1204CPBT | 120 VAC | 13.8 VDC | 4 A | 5.5 lb | 3.5 x 5.1 x 7.3" |
| RPS-1207 | 120 VAC | 13.8 VDC | 7 A | 8.5 lb | 3.9 x 5.8 x 9.1" |
| RPS-1210UL | 120 VAC | 13.8 VDC | 10 A | 17.5 lb | 5 x 9.3 x 9.8" |
| RPS-1220 | 120 VAC | 13.8 VDC | 20 A | 18.5 lb | 5 x 9.8 x 10" |



SEC Multi-purpose Linear power supplies used for communications, audio and hobby applications.

| Model | Input | Output | Amps | Wt | Dim |
|--------|---------|----------|------|---------|------------------|
| SEC-6 | 120 VAC | 13.8 VDC | 4 A | 5.3 lb | 4.8 x 6.3 x 9.5" |
| SEC-11 | 120 VAC | 13.8 VDC | 8 A | 8.5 lb | 4.8 x 6.3 x 9.5" |
| SEC-14 | 120 VAC | 13.8 VDC | 10 A | 13.5 lb | 5 x 9.3 x 9.8" |
| SEC-20 | 120 VAC | 13.8 VDC | 15 A | 16 lb | 5 x 9.8 x 10" |

**SEC Linear Power Supplies are also available in 220 VAC

Desktop 24 Volts



Multipurpose switching power supplies used for communications, audio and hobby applications.

| Model | Input | Output | Amps | Wt | Dim |
|------------|---------|----------|------|--------|------------------|
| ESP-120-27 | 120/220 | 27.6 VDC | 4 A | 3.3 lb | 5.9 x 5.5 x 2.9" |
| ESP-240-27 | 120/220 | 27.6 VDC | 8 A | 3.3 lb | 5.9 x 5.5 x 2.9" |

Base Station Combo Units



Custom radio cabinets are available for models SEC-1212 and SEC-1223. These are conveniently packaged together for easy ordering.

ICOM Models:

F110S/121S/210S/221S/121/221

| | |
|-------|---|
| 13515 | SEC-1212IC3 (SEC-1212 + 12200 ICOM Cabinet) |
| 13616 | SEC-1223IC3 (SEC-1223 + 12200 ICOM Cabinet) |

F-2010/20 Cabinet

| | |
|-------|---|
| 13607 | SEC-1223IC1 (SEC-1223 + 12110 ICOM Cabinet) |
|-------|---|

F-300/400 Cabinet

| | |
|-------|---|
| 13606 | SEC-1223IC2 (SEC-1223 + 12120 ICOM Cabinet) |
|-------|---|

F-5061/6061 Cabinet

| | |
|-------|---|
| 136xx | SEC-1223IC4 (SEC-1223 + 12333 ICOM Cabinet) |
|-------|---|

Kenwood Models:

780, 880, 980, 981 & "G" Series

| | |
|-------|--|
| 13506 | SEC-1212TK2 (SEC-1212 + 12090 Kenwood Cabinet) |
| 13603 | SEC-1223TK2 (SEC-1223 + 12090 Kenwood Cabinet) |

7180 / 8180, 7160(H) / 8160(H)

| | |
|-------|--|
| 13521 | SEC-1212TK3 (SEC-1212 + 12250 Kenwood Cabinet) |
| 13618 | SEC-1223TK3 (SEC-1223 + 12250 Kenwood Cabinet) |

6110

| | |
|-------|--|
| 13620 | SEC-1223TK4 (SEC-1223 + 12270 Kenwood Cabinet) |
|-------|--|

M/A com Models:

500M

| | |
|-------|--|
| 13513 | SEC-1212-500M (SEC-1212 + 12180 M/A Com Cabinet) |
| 13611 | SEC-1223-500M (SEC-1223 + 12180 M/A Com Cabinet) |

M7100

| | |
|-------|---|
| 13610 | SEC-1223-M7100 (SEC-1223 + 12170 M/A Com Cabinet) |
|-------|---|

Motorola Models:

SM 50; 120, GTX, CM 200, CM 300, PM 400, M1225

| | |
|-------|--|
| 13504 | SEC-1212SM (SEC-1212 + 12060 Motorola Cabinet) |
| 13601 | SEC-1223SM (SEC-1223 + 12060 Motorola Cabinet) |

CDM 750, 1250

| | |
|-------|---|
| 13514 | SEC-1212CDM (SEC-1212 + 12220 Motorola Cabinet) |
| 13612 | SEC-1223CDM (SEC-1223 + 12220 Motorola Cabinet) |

Tait Models:

T2000 II

| | |
|-------|--|
| 13511 | SEC-1212-Tait (SEC-1212 + 12150 Tait 2000 Cabinet) |
|-------|--|

Vertex Models:

VX 2000, 2500, 3000, 3200

| | |
|-------|--|
| 13505 | SEC-1212VX (SEC-1212 + 12070 Vertex Cabinet) |
| 13605 | SEC-1223VX (SEC-1223 + 12070 Vertex Cabinet) |

VX 2200

| | |
|-------|---|
| 13522 | SEC-1212VX4 (SEC-1212 + 12280 Vertex Cabinet) |
| 13622 | SEC-1223VX4 (SEC-1223 + 12280 Vertex Cabinet) |

VX 4000, VX 6000 (low band)

| | |
|-------|---|
| 13517 | SEC-1212VX2 (SEC-1212 + 12210 Vertex Cabinet) |
| 13613 | SEC-1223VX2 (SEC-1223 + 12210 Vertex Cabinet) |

VX-4100/4200

| | |
|-------|---|
| 13520 | SEC-1212VX3 (SEC-1212 + 12260 Vertex Cabinet) |
| 13619 | SEC-1223VX3 (SEC-1223 + 12260 Vertex Cabinet) |

Communications / Audio 12Volt



Expandable from 40 to 100 Amps with built in battery back-up module which provides a safe trickle charger to back up batteries.

| Model | Input | Output | Amps | Wt | Dim |
|------------|---------|----------|-------|-------|----------------|
| SEC-40BRM | 120 VAC | 13.8 VDC | 40 A | 26 lb | 3.5 x 19 x 14" |
| SEC-60BRM | 120 VAC | 13.8 VDC | 60 A | 27 lb | 3.5 x 19 x 14" |
| SEC-80BRM | 120 VAC | 13.8 VDC | 80 A | 29 lb | 3.5 x 19 x 14" |
| SEC-100BRM | 120 VAC | 13.8 VDC | 100 A | 30 lb | 3.5 x 19 x 14" |



Single output OEM power supply on a 19" rack plate.

| Model | Input | Output | Amps | Wt | Dim |
|--------------|---------|--------|------|-------|---------------|
| SE-600-12RM | 120 VAC | 12 VDC | 50 A | 7 lb | 3.5 x 19 x 5" |
| SE-1000-12RM | 120 VAC | 12 VDC | 83 A | 10 lb | 3.5 x 19 x 5" |



Single output desktop power supplies on a 19" rack plate.

| Model | Input | Output | Amps | Wt | Dim |
|-------------|---------|----------|----------|--------|-----------------|
| SEC-1212R1 | 120 VAC | 13.8 VDC | 10 A | 5.5 lb | 3.5 x 19 x 8.7" |
| SEC-1212R2 | 120 VAC | 13.8 VDC | 10 A x 2 | 11 lb | 3.5 x 19 x 8.7" |
| SEC-1223R1 | 120 VAC | 13.8 VDC | 23 A | 5.5 lb | 3.5 x 19 x 8.7" |
| SEC-1223R2 | 120 VAC | 13.8 VDC | 23 A x 2 | 11 lb | 3.5 x 19 x 8.7" |
| SEC-1235R1 | 120 VAC | 13.8 VDC | 30 A | 5.5 lb | 3.5 x 19 x 8.7" |
| SEC-1235R2 | 120 VAC | 13.8 VDC | 30 A x 2 | 11 lb | 3.5 x 19 x 8.7" |
| SEC-1235MR1 | 120 VAC | 13.8 VDC | 30 A | 5.5 lb | 3.5 x 19 x 8.7" |
| SEC-1235MR2 | 120 VAC | 13.8 VDC | 30 A x 2 | 11 lb | 3.5 x 19 x 8.7" |

Communications 24Volt



Expandable up to 50 Amps with built in battery back-up module which provides a safe trickle charger to back up batteries.

| Model | Input | Output | Amps | Wt | Dim |
|-------------|---------|----------|------|-------|----------------|
| SEC-2430BRM | 120 VAC | 27.6 VDC | 30 A | 26 lb | 3.5 x 19 x 14" |
| SEC-2450BRM | 120 VAC | 27.6 VDC | 50 A | 30 lb | 3.5 x 19 x 14" |



Single output OEM power supply on a 19" rack plate.

| Model | Input | Output | Amps | Wt | Dim |
|--------------|---------|--------|--------|-------|---------------|
| SE-600-24RM | 120 VAC | 12 VDC | 25 A | 7 lb | 3.5 x 19 x 5" |
| SE-1000-24RM | 120 VAC | 12 VDC | 41.7 A | 10 lb | 3.5 x 19 x 5" |

Communications 48 Volt



Expandable up to 25 Amps with built in battery back-up module which provides a safe trickle charger to back up batteries.

| Model | Input | Output | Amps | Wt | Dim |
|-------------|---------|----------|------|-------|----------------|
| SEC-4815BRM | 120 VAC | 54.8 VDC | 15 A | 26 lb | 3.5 x 19 x 14" |
| SEC-4825BRM | 120 VAC | 54.8 VDC | 25 A | 28 lb | 3.5 x 19 x 14" |



Single output OEM power supply on a 19" rack plate.

| Model | Input | Output | Amps | Wt | Dim |
|--------------|---------|--------|--------|-------|---------------|
| SE-600-48RM | 120 VAC | 48 VDC | 12.5 A | 7 lb | 3.5 x 19 x 5" |
| SE-1000-48RM | 120 VAC | 48 VDC | 20.8 A | 10 lb | 3.5 x 19 x 5" |

Modular RM 12, 24 & 48 Volt



Modular RCP Rackmount Power Supplies. Hot Swap Modules with redundancy and wide range AC input.

| Model | Input | Output | Amps | Wt | Dim |
|------------------|-----------|--------|-------|---------|------------------|
| RCP-1000C-12-60 | 90-264VAC | 12 VDC | 60 A | 24.2 lb | 19 x 13.8 x 1.7" |
| RCP-2000C-12-120 | 90-264VAC | 12 VDC | 120 A | 24.2 lb | 19 x 13.8 x 1.7" |
| RCP-3000C-12-180 | 90-264VAC | 12 VDC | 180 A | 24.2 lb | 19 x 13.8 x 1.7" |
| RCP-1000C-24-40 | 90-264VAC | 24 VDC | 48 A | 24.2 lb | 19 x 13.8 x 1.7" |
| RCP-2000C-24-80 | 90-264VAC | 24 VDC | 80 A | 24.2 lb | 19 x 13.8 x 1.7" |
| RCP-3000C-24-120 | 90-264VAC | 24 VDC | 120 A | 24.2 lb | 19 x 13.8 x 1.7" |
| RCP-1000C-48-21 | 90-264VAC | 48 VDC | 21 A | 24.2 lb | 19 x 13.8 x 1.7" |
| RCP-2000C-48-42 | 90-264VAC | 48 VDC | 42 A | 24.2 lb | 19 x 13.8 x 1.7" |
| RCP-3000C-48-63 | 90-264VAC | 48 VDC | 63 A | 24.2 lb | 19 x 13.8 x 1.7" |

RCP-1000C Power supply module for RCP Rackmount products


Rack Mount Accessories




Power modules for the BRM Rackmount power supplies. Use for expansion or for field replacement.

| Model | Volts | Amps | Specific to |
|--------------|----------|------|-------------------------------------|
| SEC-2012MPSB | 14.2 VDC | 20 A | SEC-40, SEC-60, SEC-80 & SEC-100BRM |
| SEC-1024MPSB | 28 VDC | 10 A | SEC-2430 & SEC-2450BRM |
| SEC-0548MPSB | 55 VDC | 5 A | SEC-4815BRM & SEC-4825BRM |


Water Resistant 9 ~ 48 Volts

| Model | Input | Output | Amps |
|---|------------|--------|-------|
|  ELN-60-9 | 90-264 VAC | 9 VDC | 5 A |
| ELN-60-12 | 90-264 VAC | 12 VDC | 5 A |
| ELN-60-15 | 90-264 VAC | 15 VDC | 4 A |
| ELN-60-24 | 90-264 VAC | 24 VDC | 2.5 A |
| ELN-60-27 | 90-264 VAC | 27 VDC | 2.3 A |
| ELN-60-48 | 90-264 VAC | 48 VDC | 1.3 A |


Open Frame 5, 12 & 24 Volts

| Model | Input | Output | Amps |
|---|------------|----------|-------|
|  NFM-05-5 | 85-264 VAC | 5 VDC | 1 A |
| NFM-10-5 | 85-264 VAC | 5 VDC | 2 A |
| NFM-15-5 | 85-264 VAC | 5 VDC | 3 A |
| PS-25-12 | 85-264 VAC | 12 VDC | 2.1 A |
| PS-65-13.5 | 90-264 VAC | 13.5 VDC | 4.7 A |
| NFM-05-24 | 85-264 VAC | 24 VDC | .23 A |
| NFM-10-24 | 85-264 VAC | 24 VDC | .42 A |
| NFM-15-24 | 85-264 VAC | 24 VDC | .63 A |
| PS-65-24 | 90-264 VAC | 24 VDC | 2.7 A |


Enclosed 5 Volts

| Model | Input | Output | Amps |
|--|-------------|--------|-------|
|  S-25-5 | 85-264 VAC | 5 VDC | 5 A |
| S-60-5 | 85-264 VAC | 5 VDC | 12 A |
| S-320-5 | 115/230 VAC | 5 VDC | 50 A |
| SE-600-5 | 115/230 VAC | 5 VDC | 100 A |
| SE-1000-5 | 115/230 VAC | 5 VDC | 150 A |




Enclosed 7.5 Volts

| Model | Input | Output | Amps |
|---|-------------|---------|--------|
|  S-100F-7.5 | 115/230 VAC | 7.5 VDC | 13.5 A |
| S-150-7.5 | 115/230 VAC | 7.5 VDC | 20 A |

Enclosed 9 Volts


| Model | Input | Output | Amps |
|--|-------------|--------|-------|
|  SE-1000-9 | 115/230 VAC | 9 VDC | 100 A |

Enclosed 12 Volts


| Model | Input | Output | Amps |
|--|-------------|--------|--------|
|  S-25-12 | 85-264 VAC | 12 VDC | 2.1 A |
| S-60-12 | 85-264 VAC | 12 VDC | 5 A |
| S-100F-12 | 115/230 VAC | 12 VDC | 8.5 A |
|  S-150-12 | 115/230 VAC | 12 VDC | 12.5 A |
| SP-150-12* | 85-264 VAC | 12 VDC | 12.5 A |
| S-240-12 | 88-264 VAC | 12 VDC | 18 A |
| S-320-12 | 115/230 VAC | 12 VDC | 25 A |
| SP-320-12* | 88-264 VAC | 12 VDC | 25 A |
|  SE-600-12 | 115/230 VAC | 12 VDC | 50 A |
| SE-1000-12 | 115/230 VAC | 12 VDC | 83.3 A |

*SP Series is Power Factor Corrected.




Enclosed 13.5 Volts

| Model | Input | Output | Amps |
|--|-------------|----------|--------|
|  S-150-13.5 | 115/230 VAC | 13.5 VDC | 11.2 A |
| SP-150-13.5* | 85-264 VAC | 13.5 VDC | 11.2 A |
| SP-500-13.5* | 88-264 VAC | 13.5 VDC | 36 A |


Enclosed 15 Volts

| Model | Input | Output | Amps |
|---|-------------|--------|--------|
|  S-25-15 | 85-264 VAC | 15VDC | 1.7 A |
| S-60-15 | 85-264 VAC | 15VDC | 4 A |
| S-150-15 | 115/230 VAC | 15VDC | 10 A |
| SE-600-15 | 115/230 VAC | 15VDC | 40 A |
| SE-1000-15 | 115/230 VAC | 15VDC | 66.7 A |



Enclosed 24 Volts

| Model | Input | Output | Amps |
|--|-------------|--------|--------|
|  S-25-24 | 85-264 VAC | 24 VDC | 1.1 A |
| S-60-24 | 85-264 VAC | 24 VDC | 2.5 A |
| S-100F-24 | 115/230 VAC | 24 VDC | 4.5 A |
|  S-150-24 | 115/230 VAC | 24 VDC | 6.5 A |
| SP-150-24* | 85-264 VAC | 24 VDC | 6.3 A |
| S-240-24 | 88-264 VAC | 24 VDC | 10 A |
| S-320-24 | 115/230 VAC | 24 VDC | 12.5 A |
|  SP-320-24* | 88-264 VAC | 24 VDC | 13 A |
| SP-500-24* | 88-264 VAC | 24 VDC | 20 A |
| SE-600-24 | 115/230 VAC | 24 VDC | 25 A |
| SE-1000-24 | 115/230 VAC | 24 VDC | 41.7 A |

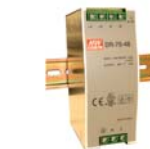
Enclosed 27 Volts

| Model | Input | Output | Amps |
|--|-------------|--------|--------|
|  S-150-27 | 115/230 VAC | 27 VDC | 5.6 A |
| S-320-27 | 115/230 VAC | 27 VDC | 11 A |
| SP-500-27* | 88-264 VAC | 27 VDC | 18 A |
| SE-600-27 | 115/230 VAC | 27 VDC | 22.2 A |

Enclosed 48 Volts

| Model | Input | Output | Amps |
|--|-------------|--------|--------|
|  S-150-48 | 115/230 VAC | 48 VDC | 3.2 A |
| SP-150-48* | 85-264 VAC | 48 VDC | 3.2 A |
| S-240-48 | 88-264 VAC | 48 VDC | 5 A |
|  SP-320-48* | 88-264 VAC | 48 VDC | 11.7 A |
| SP-500-48* | 88-264 VAC | 48 VDC | 10 A |
| SE-600-48 | 115/230 VAC | 48 VDC | 12.5 A |
| SE-1000-48 | 115/230 VAC | 48 VDC | 20.8 A |

Dinrail Mount 12, 24 & 48 Volts

| Model | Input | Output | Amps |
|---|-------------|--------|-------|
|  DR-4505 | 85-264 VAC | 5 VDC | 5 A |
| DR-4524 | 85-264 VAC | 24 VDC | 2 A |
| DR-75-12 | 85-264 VAC | 12 VDC | 6.3 A |
| DR-75-24 | 85-264 VAC | 24 VDC | 3.2 A |
| DR-75-48 | 85-264 VAC | 48 VDC | 1.6 A |
| DR-120-12 | 115/230 VAC | 12 VDC | 10 A |
| DR-120-24 | 115/230 VAC | 24 VDC | 5 A |
| DR-120-48 | 115/230 VAC | 48 VDC | 2.5 A |

3 Stage Automatic Chargers



Fully automatic chargers which are adjustable for two or three stage charging. Safe for Lead Acid, GEL or AGM type batteries.

| Model | Input | Output | Amps | Wt | Dim |
|-----------|------------|----------|------|--------|--------------------|
| SEC-1215A | 98-132 VAC | 13.5 VDC | 15 A | 5 lb | 8.4 x 8.4 x 3.25" |
| SEC-1230A | 98-132 VAC | 13.5 VDC | 30 A | 6.5 lb | 10.7 x 8.4 x 3.25" |
| SEC-2415A | 98-132 VAC | 27.4 VDC | 15 A | 6.5 lb | 10.7 x 8.4 x 3.25" |



Fully automatic chargers useful for two or three stage charging. Safe for Lead Acid, GEL or AGM type batteries.

| Model | Input | Output | Amps | Wt | Dim |
|-----------|------------|----------|------|-------|-------------|
| SEC-1245A | 98-132 VAC | 13.5 VDC | 45 A | 11 lb | 12 x 9 x 4" |
| SEC-2425A | 98-132 VAC | 27.4 VDC | 25 A | 11 lb | 12 x 9 x 4" |

3 Stage w/ Power Factor Correction



Fully automatic, three stage chargers designed for use with sealed lead acid batteries.

| Model | Input | Output | Amps | Wt | Dim |
|---------|------------|----------|-------|------|----------------|
| BP-1205 | 100-240VAC | 14.4 VDC | 5 A | 2 lb | 8.3 x 3.3 x 2" |
| BP-1210 | 100-240VAC | 14.4 VDC | 10 A | 2 lb | 8.3 x 3.3 x 2" |
| BP-2403 | 100-240VAC | 28.8 VDC | 2.5 A | 2 lb | 8.3 x 3.3 x 2" |
| BP-2405 | 100-240VAC | 28.8 VDC | 5 A | 2 lb | 8.3 x 3.3 x 2" |

3 Stage Microprocessor-controlled



Fully automatic, three stage chargers designed for use with gel, sealed and lead acid batteries. UL/CSA

| Model | Input | Output | Amps | Wt | Dim |
|---------|------------|--------|-------|------|------------------|
| 604CC | 90-133VAC | 6 VDC | 2 A | 1 lb | 3.5 x 2.3 x 1.5" |
| 1202S | 90-133VAC | 12 VDC | 1 A | 1 lb | 3.5 x 2.3 x 1.5" |
| 1205SR | 90-264VAC | 12 VDC | 3 A | 1 lb | 4.7 x 2.9 x 1.6" |
| 1214S | 90-133VAC | 12 VDC | 7 A | 1 lb | 6.8 x 3.4 x 2" |
| 2403SR | 90-264VAC | 24 VDC | 1.5 A | 1 lb | 4.7 x 2.9 x 1.6" |
| 2416SRF | 115-230VAC | 24 VDC | 8 A | 2 lb | 7.6 x 3.6 x 2.6" |

2 Stage Desktop Model



Fully automatic, two stage charger designed for use with gel, sealed and lead acid batteries.

| Model | Input | Output | Amps | Wt | Dim |
|--------------|-----------|----------|------|--------|------------------|
| ESC-120-13.5 | 120 / 220 | 13.5V DC | 8 A | 3.3 lb | 5.9 x 5.5 x 2.9" |
| ESC-240-13.5 | 120 / 220 | 13.5 VDC | 16 A | 3.3 lb | 5.9 x 5.5 x 2.9" |
| ESC-240-27 | 120 / 220 | 27 VDC | 8 A | 3.3 lb | 5.9 x 5.5 x 2.9" |

Battery Back Up Accessories



Battery back-up modules designed for use with any 12V or 24V Power supply to create UPS functionality.

| Model | Input | Output | Amps | Wt | Dim |
|-----------|--------------|--------------|---------|------|------------------|
| BBM-1225 | 12 or 24 VDC | 12 or 24 VDC | up to 7 | 1 lb | 4.5 x 3.9 x 1.9" |
| BBM-12100 | 12 or 24 VDC | 12 or 24 VDC | up to 7 | 2 lb | 8 x 5 x 2.5" |

Battery Guard Low/High Volt Disconnect



Prevents excessive discharge of batteries where dc accessories are in use. Fully programmable & microprocessor controlled

| Model | Input | Amps | Wt | Dim |
|--------|------------|-------|-------|------------------|
| BG-40 | 8 - 35 VDC | 40 A | .5 lb | 2 x 3.5 x 2.7" |
| BG-60 | 8 - 35 VDC | 60 A | .5 lb | 3.2 x 2.4 x 1.6" |
| BG-200 | 8 - 35 VDC | 200 A | 2 lb | 4.4 x 4.8 x 2.4" |

Battery Separator Microprocessor controlled



For situations where 2 batteries are being used. Allows connection of batteries in parallel for charging. Provides priority for charging only the starter battery first. Prevents excessive discharging of the starter battery.

| Model | Input | Output | Amps | Wt | Dim |
|----------|--------|--------|-------|--------|------------------|
| BS80-12 | 12 VDC | 12 VDC | 80 A | .25 lb | 1.8 x 1.8 x 3.2" |
| BS80-24 | 24 VDC | 24 VDC | 80 A | .25 lb | 1.8 x 1.8 x 3.2" |
| BS160-12 | 12 VDC | 12 VDC | 160 A | .66 lb | 1.8 x 3.6 x 3.8" |
| BS160-24 | 24 VDC | 24 VDC | 160 A | .66 lb | 1.8 x 3.6 x 3.8" |
| BS400-12 | 12 VDC | 12 VDC | 400 A | 2 lb | 3.5 x 4 x 4.3" |
| BS400-24 | 24 VDC | 24 VDC | 400 A | 2 lb | 3.5 x 4 x 4.3" |

Power Supply with charger



| | | |
|---------|--|----------------------|
| AD-55A | Input 88-264 VAC, Output 13.8 VDC, 4A | Charger 13.4V, 0.23A |
| AD-55B | Input 88-264 VAC, Output 27.6 VDC, 2A | Charger 26.5V, 0.16A |
| AD-155A | Input 88-264 VAC, Output 13.8 VDC, 11.5A | Charger 13.3V, 0.5A |
| AD-155B | Input 88-264 VAC, Output 27.6 VDC, 5.5A | Charger 27.1V, 0.5A |

Battery Monitor Microprocessor controlled





The battery watch is a smart piece of equipment which monitors the status of a battery and displays it in an intelligent way.

BW-01 Battery Watch - intelligent 12V/24V programmable system

24 - 12 VDC

Communications


Non Isolated

| Model | Input | Output | Amps |
|---|-----------|----------|-----------------------|
|  SDC-5 | 20-32 VDC | 13.8 VDC | 5 A |
| SDC-8 | 20-32 VDC | 13.8 VDC | 8 A |
| SDC-12 | 20-32 VDC | 13.8 VDC | 12 A |
| SDC-15 | 20-30 VDC | 13.8 VDC | 12 A |
| SDC-23 | 20-30 VDC | 13.8 VDC | 20 A |
|  SDC-20 | 20-30 VDC | 13.8 VDC | 15 A, Class 1, Div. 2 |
| SDC-30 | 20-32 VDC | 13.8 VDC | 30 A |
| SDC-60 | 20-35 VDC | 13.8 VDC | 60 A |
| IDC-03 | 10-35 VDC | 12.6 VDC | 3A@18V, 1.5A@10V |

12 - 12 VDC

Stabilization


Isolated

| Model | Input | Output | Amps |
|--|----------|----------|------|
|  IDC-100A-12 | 9-18 VDC | 12.5 VDC | 8 A |
| IDC-200A-12 | 9-18 VDC | 12.5 VDC | 16 A |
| IDC-360A-12 | 9-18 VDC | 12.5 VDC | 30 A |

24 - 12 VDC

Communications


Isolated

| Model | Input | Output | Amps |
|--|-----------|----------|------|
|  IDC-100B-12 | 20-35 VDC | 12.5 VDC | 8 A |
| IDC-200B-12 | 20-35 VDC | 12.5 VDC | 16 A |
| IDC-360B-12 | 20-35 VDC | 12.5 VDC | 30 A |

48 - 12 VDC

Telecom/Marine


Isolated

| Model | Input | Output | Amps |
|--|-----------|----------|------|
|  IDC-100C-12 | 30-60 VDC | 12.5 VDC | 8 A |
| IDC-200C-12 | 30-60 VDC | 12.5 VDC | 16 A |
| IDC-360C-12 | 30-60 VDC | 12.5 VDC | 30 A |

72 - 12 VDC

Railroad


Isolated

| Model | Input | Output | Amps |
|--|------------|----------|------|
|  IDC-100D-12 | 60-120 VDC | 12.5 VDC | 8 A |
| IDC-200D-12 | 60-120 VDC | 12.5 VDC | 16 A |
| IDC-360D-12 | 60-120 VDC | 12.5 VDC | 30 A |

24 - 24 VDC

Stabilization


Isolated

| Model | Input | Output | Amps |
|--|-----------|--------|------|
|  IDC-100B-24 | 20-35 VDC | 24 VDC | 4 A |
| IDC-200B-24 | 20-35 VDC | 24 VDC | 8 A |
| IDC-360B-24 | 20-35 VDC | 24 VDC | 15 A |

48 - 24 VDC

Telecom/Marine


Isolated

| Model | Input | Output | Amps |
|--|-----------|--------|------|
|  IDC-100C-24 | 30-60 VDC | 24 VDC | 4 A |
| IDC-200C-24 | 30-60 VDC | 24 VDC | 8 A |
| IDC-360C-24 | 30-60 VDC | 24 VDC | 15 A |

72 - 24 VDC

Railroad


Isolated

| Model | Input | Output | Amps |
|--|------------|--------|------|
|  IDC-100D-24 | 60-120 VDC | 24 VDC | 4 A |
| IDC-200D-24 | 60-120 VDC | 24 VDC | 8 A |
| IDC-360D-24 | 60-120 VDC | 24 VDC | 15 A |

12 - 24 VDC

Step Up


Isolated

| Model | Input | Output | Amps |
|--|----------|--------|------|
|  IDC-100A-24 | 9-18 VDC | 24 VDC | 4 A |
| IDC-200A-24 | 9-18 VDC | 24 VDC | 8 A |
| IDC-360A-24 | 9-18 VDC | 24 VDC | 15 A |

12 - 24 VDC

Step Up

Non Isolated - Mil Spec


| Model | Input | Output | Amps |
|---|-------------|--------|----------|
|  VTC120-12-24 | 11-15 VDC | 24 VDC | 5 A |
| VTC305-12-24 | 10.5-28 VDC | 24 VDC | *12-27 A |
| VTC605-12-24 | 10.5-28 VDC | 24 VDC | *20-45 A |

* output current varies depending on input voltage used

12 - 24 VDC

Step Up

Non Isolated

| Model | Input | Output | Amps |
|---|----------|--------|------|
|  Step 7 | 9-18 VDC | 24 VDC | 7 A |
| Step 10 | 9-18 VDC | 24 VDC | 10 A |

12 - 5 VDC

Isolated



| Model | Input | Output | Amps |
|----------|------------|--------|------|
| SD-15A-5 | 9.2-18 VDC | 5 VDC | 3 A |
| SD-25A-5 | 9.2-18 VDC | 5 VDC | 5 A |
| SD-50A-5 | 9.2-18 VDC | 5 VDC | 10 A |

24 - 5 VDC

Isolated



| Model | Input | Output | Amps |
|----------|-----------|--------|------|
| SD-25B-5 | 19-36 VDC | 5 VDC | 5 A |
| SD-50B-5 | 19-36 VDC | 5 VDC | 10 A |

48 - 5 VDC

Isolated



| Model | Input | Output | Amps |
|----------|-----------|--------|------|
| SD-25C-5 | 36-72 VDC | 5 VDC | 5 A |
| SD-50C-5 | 36-72 VDC | 5 VDC | 10 A |

12 - 12 VDC

Isolated



| Model | Input | Output | Amps |
|-----------|------------|--------|--------|
| SD-15A-12 | 9.2-18 VDC | 12 VDC | 1.25 A |
| SD-25A-12 | 9.2-18 VDC | 12 VDC | 2.1 A |
| SD-50A-12 | 9.2-18 VDC | 12 VDC | 4.2 A |

24 - 12 VDC

Isolated



| Model | Input | Output | Amps |
|------------|-----------|--------|--------|
| SD-25B-12 | 19-36 VDC | 12 VDC | 2.1 A |
| SD-50B-12 | 19-36 VDC | 12 VDC | 4.2 A |
| SD-150B-12 | 19-36 VDC | 12 VDC | 12.5 A |
| SD-200B-12 | 19-36 VDC | 12 VDC | 16.7 A |
| SD-350B-12 | 19-36 VDC | 12 VDC | 27.5 A |

48 - 12 VDC

Isolated



| Model | Input | Output | Amps |
|------------|-----------|--------|--------|
| SD-25C-12 | 36-72 VDC | 12 VDC | 2.1 A |
| SD-50C-12 | 36-72 VDC | 12 VDC | 4.2 A |
| SD-150C-12 | 36-72 VDC | 12 VDC | 12.5 A |
| SD-200C-12 | 36-72 VDC | 12 VDC | 16.7 A |
| SD-350C-12 | 36-72 VDC | 12 VDC | 27.5 A |

72 - 12 VDC

Isolated



| Model | Input | Output | Amps |
|------------|------------|--------|--------|
| SD-150D-12 | 72-144 VDC | 12 VDC | 12.5 A |
| SD-200D-12 | 72-144 VDC | 12 VDC | 16.7 A |
| SD-350D-12 | 72-144 VDC | 12 VDC | 27.5 A |

12 - 24 VDC

Isolated



| Model | Input | Output | Amps |
|-----------|------------|--------|---------|
| SD-15A-24 | 9.2-18 VDC | 24 VDC | 0.625 A |
| SD-25A-24 | 9.2-18 VDC | 24 VDC | 1.1 A |
| SD-50A-24 | 9.2-18 VDC | 24 VDC | 2.1 A |

24 - 24 VDC

Isolated



| Model | Input | Output | Amps |
|------------|-----------|--------|--------|
| SD-25B-24 | 19-36 VDC | 24 VDC | 1.1 A |
| SD-50B-24 | 19-36 VDC | 24 VDC | 2.1 A |
| SD-150B-24 | 19-36 VDC | 24 VDC | 6.3 A |
| SD-200B-24 | 19-36 VDC | 24 VDC | 8.4 A |
| SD-350B-24 | 19-36 VDC | 24 VDC | 14.6 A |

48 - 24 VDC

Isolated



| Model | Input | Output | Amps |
|------------|-----------|--------|--------|
| SD-50C-24 | 36-72 VDC | 24 VDC | 2.1 A |
| SD-150C-24 | 36-72 VDC | 24 VDC | 6.3 A |
| SD-200C-24 | 36-72 VDC | 24 VDC | 8.4 A |
| SD-350C-24 | 36-72 VDC | 24 VDC | 14.6 A |

72 - 24 VDC

Isolated



| Model | Input | Output | Amps |
|------------|------------|--------|--------|
| SD-150D-24 | 72-144 VDC | 24 VDC | 6.3 A |
| SD-200D-24 | 72-144 VDC | 24 VDC | 8.4 A |
| SD-350D-24 | 72-144 VDC | 24 VDC | 14.6 A |

24 - 48 VDC & 72 - 48 VDC

Isolated



| Model | Input | Output | Amps |
|------------|------------|--------|-------|
| SD-350B-48 | 19-36 VDC | 48 VDC | 7.3 A |
| SD-350D-48 | 72-144 VDC | 48 VDC | 7.3 A |

Pure Sine Wave

Light Duty

12 Volt

Commercial

| Model | Input | Output | Watts |
|--------------|--------|---------|-------------|
| PST-15S-12A | 12 VDC | 120 VAC | 150 - 300 |
| PST-30S-12A | 12 VDC | 120 VAC | 300 - 500 |
| PST-60S-12A | 12 VDC | 120 VAC | 600 - 1000 |
| PST-100S-12A | 12 VDC | 120 VAC | 1000 - 2000 |
| PST-150S-12A | 12 VDC | 120 VAC | 1500 - 3000 |
| PST-200S-12A | 12 VDC | 120 VAC | 2000 - 4000 |

24 Volt

| Model | Input | Output | Watts |
|--------------|--------|---------|-------------|
| PST-15S-24A | 24 VDC | 120 VAC | 150 - 300 |
| PST-30S-24A | 24 VDC | 120 VAC | 300 - 500 |
| PST-60S-24A | 24 VDC | 120 VAC | 600 - 1000 |
| PST-100S-24A | 24 VDC | 120 VAC | 1000 - 2000 |
| PST-150S-24A | 24 VDC | 120 VAC | 1500 - 3000 |
| PST-200S-24A | 24 VDC | 120 VAC | 2000 - 4000 |

Select models available in 220VAC Output

Pure Sine Wave



Heavy Duty

12 Volt

"S" Series Industrial

| Model | Input | Output | Watts |
|-----------|--------|---------|-------------|
| S150-112 | 12 VDC | 120 VAC | 150 - 200 |
| S300-112 | 12 VDC | 120 VAC | 300 - 400 |
| S600-112 | 12 VDC | 120 VAC | 600 - 800 |
| S1500-112 | 12 VDC | 120 VAC | 1500 - 2000 |

24 Volt

| Model | Input | Output | Watts |
|-----------|--------|---------|-------------|
| S150-124 | 24 VDC | 120 VAC | 150 - 200 |
| S300-124 | 24 VDC | 120 VAC | 300 - 400 |
| S600-124 | 24 VDC | 120 VAC | 600 - 800 |
| S1500-124 | 24 VDC | 120 VAC | 1500 - 2000 |

Select models available in 220VAC Output

Select models available in 48VDC Input

Pure Sine Wave

Heavy Duty

12 Volt

"SK" Series Industrial

| Model | Input | Output | Watts |
|------------|--------|---------|-------------|
| SK350-112 | 12 VDC | 120 VAC | 350 - 700 |
| SK700-112 | 12 VDC | 120 VAC | 700 - 1200 |
| SK1000-112 | 12 VDC | 120 VAC | 1000 - 2000 |
| SK1500-112 | 12 VDC | 120 VAC | 1500 - 3000 |
| SK2000-112 | 12 VDC | 120 VAC | 2000 - 4000 |
| SK3000-112 | 12 VDC | 120 VAC | 3000 - 6000 |

Select models available in 220VAC Output

Select models available in 48VDC Input

Pure Sine Wave

Heavy Duty

24 Volt

"SK" Series Industrial

| Model | Input | Output | Watts |
|------------|--------|---------|-------------|
| SK700-124 | 24 VDC | 120 VAC | 700 - 1200 |
| SK1000-124 | 24 VDC | 120 VAC | 1000 - 2000 |
| SK1500-124 | 24 VDC | 120 VAC | 1500 - 3000 |
| SK2000-124 | 24 VDC | 120 VAC | 2000 - 4000 |
| SK3000-124 | 24 VDC | 120 VAC | 3000 - 6000 |

Select models available in 220VAC Output

Select models available in 48VDC Input

Pure Sine Wave

with transfer switch

12 Volt

"ST" Series

| Model | Input | Output | Watts |
|------------|--------|---------|-------------|
| ST1000-112 | 12 VDC | 120 VAC | 1000 - 2000 |
| ST1500-112 | 12 VDC | 120 VAC | 1500 - 3000 |
| ST2000-112 | 12 VDC | 120 VAC | 2000 - 4000 |
| ST2500-112 | 12 VDC | 120 VAC | 2500 - 5000 |

24 Volt

| Model | Input | Output | Watts |
|------------|--------|---------|-------------|
| ST1000-124 | 24 VDC | 120 VAC | 1000 - 2000 |
| ST1500-124 | 24 VDC | 120 VAC | 1500 - 3000 |
| ST2000-124 | 24 VDC | 120 VAC | 2000 - 4000 |
| ST2500-124 | 24 VDC | 120 VAC | 2500 - 5000 |

Select models available in 220VAC Output

Select models available in 48VDC Input

1000 Watt = 16A txfr switch / 1500 Watt = 25A txfr switch / 2000 & 2500 Watt = 35A txfr switch

Pure Sine Wave

Rackmount

24, 48 Volt

"SR" Series Industrial

| Model | Input | Output | Watts |
|------------|--------|---------|-------|
| SR1000-124 | 24 VDC | 120 VAC | 1000 |
| SR1000-148 | 48 VDC | 120 VAC | 1000 |

Modified Sine Wave

12 Volt

| Model | Input | Output | Watts |
|------------|--------|---------|-------------|
| SI-50HP | 12 VDC | 115 VAC | 50 |
| SI-175HP | 12 VDC | 115 VAC | 175 - 350 |
| SI-400HP | 12 VDC | 115 VAC | 400 - 800 |
| SI-750HP | 12 VDC | 115 VAC | 750 - 1500 |
| PSE-12125A | 12 VDC | 120 VAC | 1250 - 2500 |
| PSE-12175A | 12 VDC | 120 VAC | 1750 - 3500 |
| PSE-12275A | 12 VDC | 120 VAC | 2750 - 4500 |

24 Volt

| Model | Input | Output | Watts |
|------------|--------|---------|-------------|
| PSE-24125A | 24 VDC | 120 VAC | 1250 - 2500 |
| PSE-24175A | 24 VDC | 120 VAC | 1750 - 3500 |
| PSE-24275A | 24 VDC | 120 VAC | 2500 - 5000 |

Select models available in 220VAC Output

Voltage Regulator



Protects household appliances and equipment from damage caused by excessive voltage fluctuation.

Designed for private and commercial applications.

| Model | Input | Output | Wt | Dim |
|---------|------------|---------|------|---------------|
| SEC-400 | 85-135 VAC | 115 VAC | 6 lb | 3.3 x 7.3 x 8 |

Wall Adapter



Ideal for cigarette lighter adapters for cell phones, ipods & pdas. Perfect for the home or cottage.

| Model | Input | Output | Wt | Dim |
|----------|---------|--------|------|------------------|
| FCP-1000 | 120 VAC | 12 VDC | 1 lb | 2.3 x 2.8 x 4.3" |

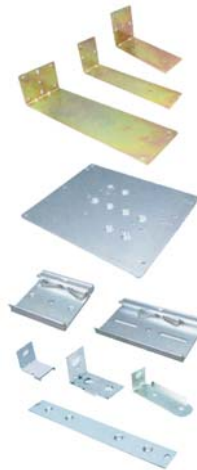
Inverter Remote Controls



Used to turn on/off the inverter from a distance.

| Model | Spec |
|-------|--|
| CR-5 | Used with S1500 Series, Pure Sine Wave inverters. |
| CR-8 | Used with SK (700+) Series, ST Series Pure Sine Wave inverters |
| RC-15 | Used with The PSE and PST Series inverters |

Industrial Power Brackets



Model

- DRL-01
- DRL-02
- DRL-03

- DRP-01
- DRP-02
- DRP-03

- MHS-012
- MHS-013
- MHS-014
- MHS-025

2008



Ordering Information

USA orders shipped from Kent, WA, 98032....Maximum 2 day turn around
Canadian orders shipped from Coquitlam, BC, V3K-6V2....Maximum 2 day turn around
Minimum Order \$200.00
Drop ship orders (min. \$200) to your customers at no additional charge
Fax orders toll-free to Canadian Corporate office @ 1-888-814-5210
Local numbers: Phone (604) 525-3836, Fax: (604) 525-5221

Toll Free **1-800-561-5885**
Website **www.samlexamerica.com**

Warranty

Products manufactured by Samlex America, Inc. (the " Warrantor ") are warranted to be free from defects in workmanship and materials under normal use and service. This warranty is in effect from the date of purchase by the user (the " Purchaser ").

All new items purchased have a minimum 2 year warranty

For a warranty claim, please contact Samlex America to obtain a Return Authorization Number

The defective part or unit should be returned at the Purchaser's expense to the authorized location – normally this is the place of purchase. A written statement describing the nature of the defect, the date of purchase, the place of purchase, and the Purchaser's name, address and telephone number should be included

The equipment will be repaired or replaced at the Warrantor's option without charge, and returned to the Purchaser at the Warrantor's expense

No refund of the purchase price will be granted to the Purchaser, unless the Warrantor is unable to remedy the defect after having a reasonable number of opportunities to do so

No other express warranty is hereby given and there are no warranties which extend beyond those described herein. This warranty is expressly in lieu of any other expressed or implied warranties, including any implied warranty of merchantability, fitness

There shall be no responsibility or liability whatsoever on the part of the Warrantor or its employees and representatives for injury to any persons, or damage to person or persons, or damage to property, or loss of income or profit, or any other consequences

The Warrantor assumes no liability for incidental or consequential damages of any kind.

2008

Contacting Samlex

Head Office: **US Warehouse:**

| | |
|-------------------|-----------------|
| 110-17 Fawcett Rd | 22408 76th Ave. |
| Coquitlam, BC | Kent, WA |
| V3K 6V2 | 98032 |
| Canada | USA |

Phone / Fax:

Toll Free: 1-800-561-5885
Toll Free Fax: 1-888-814-5210
Phone: 604-525-3836
Fax: 604-525-5221

Web: www.samlexamerica.com

E-mail:

Sales: sales@samlexamerica.com
International: international@samlexamerica.com
Tech Support: tech@samlexamerica.com
Accounting: account@samlexamerica.com

