



samlexamerica®

80A



Automatic Switch Mode Battery Charger

Model
SEC-1280UL
80 Amps
12 VDC

Design Features

- Switch mode technology for high efficiency, lightweight and quiet operation
- Automatic operation for ALL Lead Acid Batteries Flooded, AGM or Gel Cell
- Can charge 2 banks of batteries simultaneously, no isolator necessary
- Can be used as a power supply or DC UPS when used in conjunction with a battery
- User Configurable AC Input voltage 120 or 230 VAC, 50 / 60 Hz
- User Selectable (by DIP Switch) for 2 or 3 stage, rapid and safe charging of stand-alone and loaded Lead Acid Batteries
- "Half Power Mode" reduces maximum charging current to half the rated capacity, allows for safe charging of lower capacity batteries
- Voltmeter and Ammeter for monitoring
- Fan cooled based on output current
- Protections: Short circuit, overload, reverse battery connection and over temperature
- Optional remote LED panel with 10m of wire (model: 900-RC) for remote ON/OFF control and indication of charging status
- Includes temperature sensor to prevent under/overcharging of battery if temperature varies extensively
- Safety certified and listed to UL Standard UL-1564
- EMI Compliant to FCC Part 15(B), Class A

2 YEAR WARRANTY



| MODEL NO. | SEC-1280UL |
|---|---|
| NOMINAL INPUT VOLTAGE | |
| Factory Preset | 120 VAC, 50 / 60 Hz (108 to 132 VAC) |
| By Changing Internal Jumper | 230 VAC, 50 / 60 Hz (207 to 253 VAC) |
| INPUT CURRENT | |
| At 120 VAC input / At 230 VAC input | 15.9A / 8.6A |
| OUTPUT VOLTAGE (NOTE: voltages are applicable at battery temperature of 77°F / 25°C) | |
| Bulk "I Phase" | 13.5V ± 0.05V |
| Absorption "U _o Phase" | 14V / 14.4V ± 0.05V |
| Float "U Phase" | 13.5V ± 0.05V |
| MAXIMUM BULK CHARGING CURRENT, I | |
| Normal Operation | 80A |
| Half Power Mode | 40A ± 1A |
| THRESHOLD OF CURRENT FOR CHANGE OVER | |
| From Float "U" To Absorption "U _o " | 15A ± 1A |
| From Absorption "U _o " To Float "U" | 8A ± 0.5A |
| DURATION OF ABSORPTION STAGE "U_o" | 4 Hrs or 8 Hrs (Switch selectable) |
| MAXIMUM BATTERY CAPACITY | 800 Ah |
| TEMPERATURE COMPENSATION | Yes, with temperature sensor TF-500 |
| WIRED REMOTE PANEL (OPTIONAL) | Yes, (model 900-RC) |
| COOLING | Load Controlled Fan - ON at 15A ± 1A; OFF at 8A ± 0.5A |
| PROTECTIONS | Overload, Short Circuit, Reverse Polarity, Over Temperature |
| OUTPUT BANKS | 2 |
| OUTPUT CONNECTORS | Terminals with tubular holes (8 mm / 0.315" Dia) and set screw (M8) |
| OPERATING TEMPERATURE RANGE | 0° - 40°C / 32°F - 104°F |
| FUSES - AC INPUT SIDE (6.3 mm x 32 mm / .25" x 1.26") | Slow Blow / Time Delay - 20A / 250V |
| FUSES - DC OUTPUT SIDE Automotive Blade Type e.g. Littelfuse "ATO" Series | 32V, 90A (3 pieces of 30A in parallel) |
| DIMENSIONS (L x W x H) | 381 x 244 x 97 mm / 15 x 9.61 x 3.82 inches |
| WEIGHT | 4.1 kg / 9.0 lb |
| SAFETY COMPLIANCE | Intertek - ETL Listed. Conforms to ANSI / UL STD 1564 Certified to CAN / CSA STD C22.2 No. 107.2 |
| EMI COMPLIANCE | FCC Part 15(B), Class B |

NOTE: Specifications are subject to change without notice

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