2 YEAR LIMITED WARRANTY

**MODEL NO.**  SEC-1250UL

**INPUT**
- **NOMINAL INPUT VOLTAGE AND FREQUENCY**: 120 VAC, 50 / 60 Hz (Default); 230 VAC, 50 / 60Hz (Internal jumper setting)
- **AC INPUT CURRENT**: (i) At 120 VAC: 10.4A, (ii) At 230 VAC: 5.6A
- **AC INPUT CONNECTION**: Attached Power Cord: 6 ft length; 3 x AWG#16 wire size; NEMA5-15P Plug

**CHARGING CURRENT**
- **50A (Full Power Bulk Stage Current)**
- **25A (Half Power Bulk Stage Current)**

**CHARGING STAGES**
- 3 Stages (DIP Switch setting - Default): Bulk, Absorption and Float
- 2 Stages (DIP Switch setting): Bulk and Float

**CHARGING VOLTAGES**
- **Bulk Stage**: 13.5 VDC
- **Absorption**: 14.4 VDC (Default) ; 14.0 VDC (DIP Switch setting); Disable (DIP Switch setting)
- **Float**: 13.5 VDC

**OUTPUT**
- **NO. OF CHARGING BANKS**: 2
- **OUTPUT CONNECTIONS**: Tubular Hole with Set Screw; Hole Diameter: 7.9 mm ; 5/16 in ; Set Screw Size 5/16” x 24 TPI

**MONITORING**
- **LED DISPLAY**: Green LED: Half Power Mode is selected
- **ANALOGUE METER**: Ammeter: 0 to 50A; Voltmeter: 0-15 VDC

**COOLING**
- **TEMPERATURE / LOAD CONTROLLED FAN**: Switch on when charging current rises to 10A ± 1A; Switch off when charging current drops to 5A ± 0.5A ; Switch on when Power Transformer temperature rises to 105 ± 5°C / 221 ± 9°F

**PROTECTIONS**
- **OUTPUT SHORT CIRCUIT**: No output voltage. Manual reset
- **INPUT OVERLOAD**: 12A input side fuse will blow (120 VAC input)
- **OUTPUT OVERLOAD**: Electronic current limit at 50A (Full Power Mode) / 25±1A (Half Power Mode)
- **REVERSE POLARITY ON OUTPUT SIDE**: 2 x 30A output side fuses will blow
- **OVER TEMPERATURE SHUTDOWN**: Power Transformer temperature rises to 105°C ±5°C / 221°F ±9°F. Manual reset.

**FUSES**
- **INTERNAL AC INPUT SIDE FUSE (120 VAC OPERATION)**: 12A, 250V; Size 6.3mm x 32mm; Time Delay Type Mfr.: Littelfuse 0218012 or equivalent
- **INTERNAL DC OUTPUT SIDE FUSE**: 60A [2 x (32V, 30A) in parallel]; Automotive Blade Type; Fast Acting Mfr.: Littelfuse 0287030 or equivalent

**ENVIRONMENT**
- **OPERATING TEMPERATURE RANGE**: -20°C to +40°C / -4°F to +104°F
- **STORAGE TEMPERATURE**: -30°C to +70°C / -22°F to +158°F
- **RELATIVE HUMIDITY**: Up to 90%, non condensing

**COMPLIANCE**
- **SAFETY**: Intertek-ETL Listed as follows: • Conforms to UL STD. 1584 • Certified to CSA STD. C22.2 No. 107.2
- **EMI**: FCC Part 15(B), Class B

**DIMENSIONS**
- **L x W x H**: 331 x 244 x 97 mm / 13.03 x 9.61 x 3.82 in
- **WEIGHT**: 4.1 kg / 9.0 lbs

**NOTES:**
1. Charging voltage specifications are based on battery temperature of 25°C / 77°F
2. Specifications are subject to change without notice

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