

- Universal AC Input
- 4"X 2" Compact Size
- Battery Low Protection / Battery Reverse polarity protection by fuse
- Short Circuit, Over Voltage, Over Load Protected
- Convection Cooled To Full Power
- Alarm Signal for AC OK and Battery Low
- Full Approvals: UL/EN/CE
- Optional Covers & Connector Kits



## Specification

|                                 |  |
|---------------------------------|--|
| Input Voltage.....              | 90~264 VAC, 47~63 Hz (127-370 VDC)   |
| Inrush Current.....             | 30 A @ 115 VAC, 60 A @ 230 VAC   |
| Output Voltage.....             | See table below, Main O/P to Load + Float Charger O/P  |
| Output Voltage Adjustment.....  | O/P 1 (12-15 Volts) or (24-29 Volts) O/P 2 Tracks O/P 1  |
| Load Regulation.....            | +/-0.5%  |
| Line Regulation.....            | +/-0.5%  |
| Over Voltage Protection.....    | PSC-60A O/P 1 : 14.49~18.63V,<br>PSC-60B O/P 1 : 28.98~37.26V  |
| Overload Protection.....        | 105~150% hiccup mode, auto recovery.   |
| Battery Cut Off.....            | PSC-60A 10.5 Volts (+/-0.5V), PSC-60B 21 Volts (+/-0.5V)   |
| AC OK Alarm.....                | TTL Open Collector, ON = AC OK, OFF = AC Fail  |
| Battery Low Alarm.....          | TTL Open Collector, ON = Battery Low (<11v / <22V)<br>OFF = Battery OK   |
| Hold Up Time.....               | 50 ms, min @ full load 230 VAC   |
| Input to Output Isolation.....  | I/P-O/P: 3 kVAC,   |
| Operating Temperature .....     | -20 to +70 °C, see derating curve  |
| Storage Temperature.....        | -25 to +85 °C  |
| Safety Standards.....           | UL60950-1 TUV EN60950-1, CE  |
| EMC.....                        | EN55022 class B, EN55024, EN61000-3-2,3, ENV50204<br>EN61000-4-2,3,4,5,6,8,11, light industrial level criteria A |
| MTBF.....                       | .590K Hours, MIL-HDKB-217F @ 25°C  |
| Mechanical .....                | 101.6 x 50.8 x 29 mm (standard open frame unit)  |
| Connections Input & Output..... | JST Plug In Connections (connector kits available)   |

## Models and Ratings (Output 1 to Load, Output 2 Battery Float Charger).

| Model   | Output 1               | Output 2               | Battery Voltage |
|---------|------------------------|------------------------|-----------------|
| PSC-60A | 13.8 Volts / 4.3 Amps  | 13.8 Volts / 1.5 Amps  | 12 Volts        |
| PSC-60B | 27.6 Volts / 2.15 Amps | 27.6 Volts / 0.75 Amps | 24 Volts        |

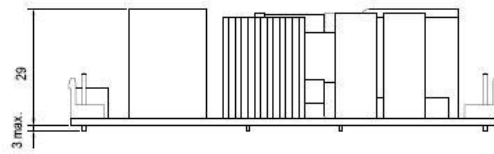
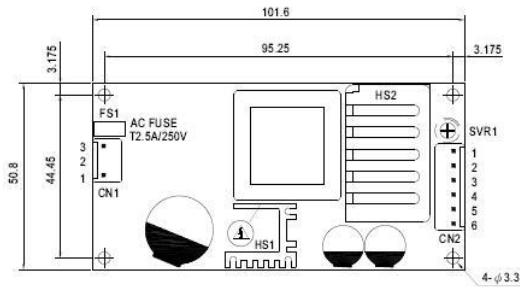
### Notes :

- 1) The above units can supply a maximum of 59.34 Watts total power, therefore if battery charge current drawn is lower than maximum then more power can be taken from output 1 to the load, up to 100% of total rating.
- 2) Units include auto switchover circuit to power load from battery in the event of AC mains failure.
- 3) Units include alarm signals for AC OK and Battery Low

Please see next page for mechanical drawings.

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## Mechanical Drawings.



1. HS1 HS2 Cannot be shorted
2. HS1 must have safety isolation distance with system case

### AC Input Connector (CN1) : JST B3P-VH or Equivalent

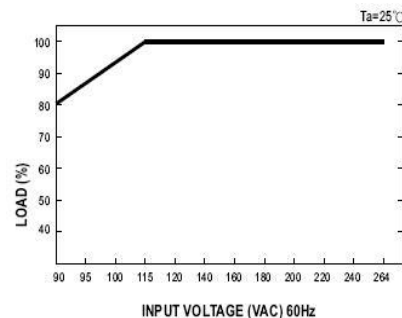
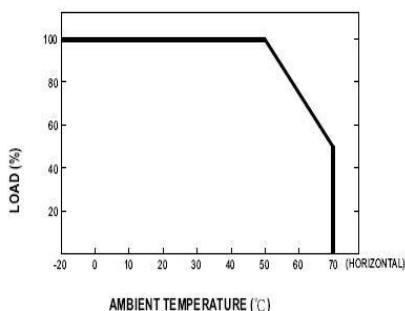
| PIN No | Assignment | Mating Housing        | Terminal                       |
|--------|------------|-----------------------|--------------------------------|
| 1      | AC Neutral | JST VHR or Equivalent | JST SVH-21T-P1.1 or Equivalent |
| 2      | No Pin     |                       |                                |
| 3      | AC Live    |                       |                                |

### DC Output Connector (CN2) : JST B6P-VH or Equivalent

| PIN No | Assignment | PIN No | Assignment    | Mating Housing        | Terminal                       |
|--------|------------|--------|---------------|-----------------------|--------------------------------|
| 1      | Bat. Low   | 4      | Battery +     | JST VHR or Equivalent | JST SVH-21T-P1.1 or Equivalent |
| 2      | AC OK      | 5      | DC Output +   |                       |                                |
| 3      | Battery -  | 6      | DC Output Com |                       |                                |

| Alarm Signals | Description   |
|---------------|---|
| AC OK         | The signal is Low when AC present and turns High when AC Fails  |
| Battery Low   | The signal is Low when Battery Voltage is under 11 Volts / 22 Volts and turns High when Battery Voltage above these levels. |

### Derating, (Input AC Supply & Temperature)



Specifications may change without notice. E&OE. ALL PSU Terms & Conditions apply.