

# SS3512 13.8VDC 5A

## Automatic Battery Charger

### GENERAL INFORMATION

**Model SS3512 Intelligent Switch Mode Battery Charger**  
Is an easy to install compact charger specially intended for use in gensets. It's wide input voltage range allows the charger to be used in many different countries.

The charger is designed for permanent connection to automotive batteries. It maintains the battery fully charged, without overcharging or gassing. The charger is protected from reverse polarity, short circuit and overloads.

**Emergency Charge Fail Alarm is conveniently built in.**  
**Multiple units may be connected in parallel in order to obtain higher current ratings.**



### SPECIFICATIONS

**Power supply :** 100 ~ 240V, 45 ~ 65 Hz

**DC Output :** 13.8VDC 5ADC (continuously)

**Charge Mode :** Float

**DC Voltage Regulation :** <1%

**Efficiency :** >80% @full load

**Operating Temperature :** 0 C ~ 40 C

**Humidity :** 0 ~ 90% Relative Humidity

**Vibration & Shock :** 5 ~ 50Hz 2mm pk - pk

50 ~ 100 Hz 1mm pk - pk

100 mm drop onto chassis face

**Contact Capacity :** 3A @240VAC

**Protection :** current limiting protection

short circuit protection

reverse polarity protection

**Weight :** 0.72 Kgs (1.6 lbs)

### INSTALLATION INSTRUCTIONS

1. Use on a 12V Lead Acid Battery only
2. With Line power disconnected, connect Battery terminals "+/-" to battery leads "+/-"
3. Connect Line voltage to battery charger on lines L1 & L2, form 100 to 240 Vac 50/60 Hz
4. Charging voltage should be 13.8+/-0.2VDC and the indicate LED marked "ON" should illuminated when power is ON

**Caution! Crimp and property secure terminal lugs on to power wires to avoid shorts**

6. With Power ON check charge current LED bar. The current decreases as the battery charges.
7. "0 A" indicates the battery is fully charged.
9. Charger can remains connected during engine cranking and running.
10. Voltage sensing circuit automatically disconnect power when the battery is fully charged.
11. Emergency Charge Fail Alarm Relay Available for use as part of a charge fail engine protection alarm.

### DANGER

1. **Danger: Potentially lethal voltages are present inside the charger. Do not open case or attempt to adjust or repair this unit.**
2. Ventilate battery enclosure, batteries generate explosive hydrogen gas.
3. Avoid flames and sparks near batteries
4. Avoid high humidity and corrosive gases near charger
5. Minimum battery voltage must higher than 5 VDC or the battery charger will automatically disconnect.
6. This is not a power supply. Use only as a battery charging.

### OUTLINE DRAWING

