SS1124E

27.6VDC 10A
Automatic Battery Charger

GENERAL INFORMATION

Model SS1124E linear technology Battery Charger Is an easy to install compact charger specially designed for use in gensets. It's two input voltages range allows the charger to be used in many different countries.

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

SPECIFICATIONS

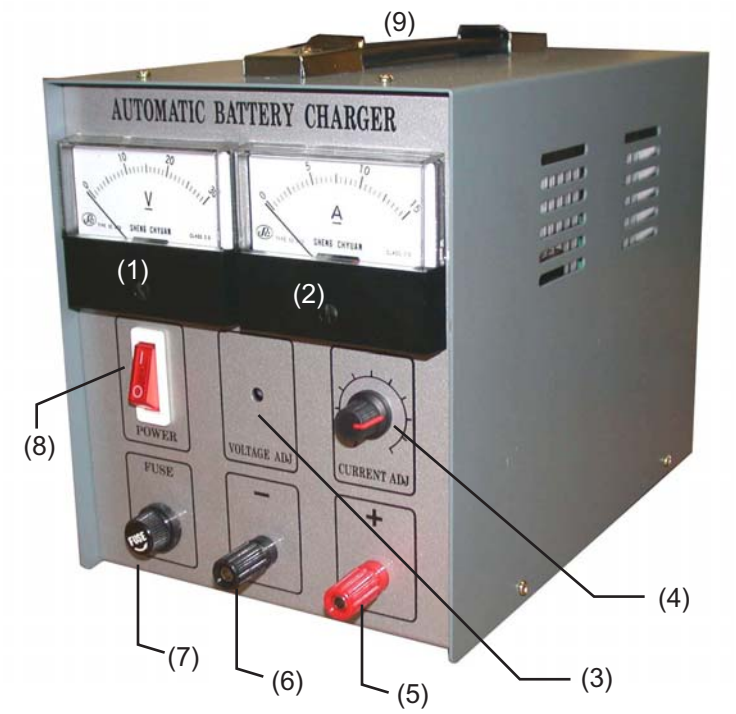
Power supply	110V/220V - 50.60Hz
DC Output	27.6VDC 10ADC (continuously)
Charge Mode	Float
DC Voltage Regulation	<1%
Efficiency	>80% @full load
Operating Temperature	0 C ~ 40 C
Humidity	0 ~ 90% Relative Humidity
Vibration & Shock	5 ~ 50Hz 2mm pk - pk
	50 ~ 100 Hz 1mm pk - pk
	100 mm drop on to chassis base
Protection	Current limiting protection (Overload)
	Short circuit protection
	Reverse polarity protection
Weight	5.8 Kgs (13 lbs)

INSTALLATION INSTRUCTIONS

1. Use on a 2 x 12V Lead Acid Battery in series
2. With the charger disconnected, connect Battery terminals "+/-" to battery leads "+/-"
3. Connect charger to power lines 110/220v 50/60. The voltage charge switch is inside enclosure
4. Charging voltage should be 27.6+/-0.2VDC and the indicate LED on the "ON/OFF" 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 Meter. 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.



(1) - Voltage Meter
(2) - Amp Meter
(3) - Voltage Adjustment
(4) - Current Adjustment
(5) - DC(+) Terminal
(6) - DC (-) Terminal
(7) - Fuse
(8) - Power Switch with Power Indicator
(9) - Handle
(10) - AC Input on back

DANGER

1. **Danger: Potentially lethal voltages are present inside the charger. Only open unit it you need to changer the working voltage of the unit using internal switch inside back panel. Disconnect charger when doing change over.**
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 10 VDC or the charger will automatically disconnect.
6. This is not a power supply. Use only as a battery

McPherson Controls

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