



# VEER INDUSTRY

## BATTERY CHARGER 12V/20A

**Battery charger for charging Lead Acid battery for Engine-start applications.**

**This is based on SMPS technology adopting latest Pulse Width Modulation technique.**

**BATTERY CHARGER FOR ENGINE START APPLICATIONS. SUITABLE FOR CHARGING 12V-60AH, 12 V-90AH BATTERIES.**

- Input Voltage 170V to 270V operating range
- Forced Air cooled
- Operating Temperature -20 to 85 Deg C
- Low Standby Power Consumption and High Efficiency
- High Input Output isolation 3000V AC and High surge immunity
- Input over and under voltage protections
- Output short circuit, over-load, over-voltage protection
- Charges battery from zero volts
- Draws zero current from the battery
- Three Stage Charging
- All our products come with a 1-year warranty against all manufacturing defects

### INPUT SPECIFICATIONS:

Input Voltage	150-300 V AC
Output voltage Float Mode Boost Mode	13.4 V DC 13.9 to 14 V DC
Inrush Current	Limited by NTC Thermister
Charging current in boost mode	10 amps



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Surve No 209, Mondhe Wadi, Gaulane Road, Pathardi, Nashik  
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Charging current in float mode	0 to 4 amps
Operating Temperature	0 TO 50 DEG C
Leakage current	<2 mA at 230 vac
Vibration	10-500 Hz 2G 10 min/1cycle 60 mins each along XYZ axis

## GENERAL SPECIFICATIONS:

Current drawn by charger from battery	Draws zero current from the battery under any circumstances
Externally Induced Over voltage	Protected against output overvoltage caused by parallel connection of alternator etc
Annunciation	Potential free NO /NC contact for charger On/ Fail indication
Indication	Mains On, Float, Boost, and Battery Reverse
Line Regulation	<1%
Load regulation	<1%
Ripple and noise	150 mv p-p
Isolation between: Input & Output	2000V AC
Input & Earth	1500V AC
Output & Earth	1500V AC

## PROTECTIONS:

Input under voltage	Cutoff level 140 VAC. Turn on voltage 160 VAC
Input over voltage	300 V AC units shuts off if voltage goes above this value than 275V AC
Output over voltage (Batt charger included)	15.5 V DC
Output short circuit and overload	Continuously protected
Battery reverse polarity	Protected latching mode

## MECHANICAL SPECIFICATIONS:

Dimensions: L*B*H	170*110*60mm
Weight	1000g



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Mounting

Wall mounting type



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