



VEER INDUSTRY

BATTERY CHARGER 24V/20A

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

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

- 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
- Leading supplier for major OE manufactures for 25 years
- All our products come with a 1-year warranty against all manufacturing defects

INPUT SPECIFICATIONS:

Input Voltage	170 – 270V AC
Input Voltage Frequency	40Hz to 65Hz
Input Current	5A Typical at 230V AC
Input Inrush Current	Limited by NTC Thermistor to 35A



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Leakage current	<3.5 mA at 230V AC
Output voltage: Float Mode Boost Mode	26.2V to 26.5V DC 27.8V to 28.4V DC
Charging current in boost mode	5 amps to 20 amps
Charging current in float mode	0 amps to 5 amps
Output Power	560W
Line Regulation	<1%
Load Regulation	<1%
Ripple and noise	250 mv p-p
Stand-by Power Consumption	3W
Hold-up Time	20msec (230V AC & FL)

GENERAL SPECIFICATIONS:

Operating Temperature	-20 to 85 Deg C
Storage Temperature	-20 to 85 Deg C
Operating Humidity	20 to 95%RH
Storage Humidity	10 to 95%RH
Vibration	10-500 Hz 2G 10 min/cycle 60 mins each along X,Y,Z axis
Indications	Mains On, Float, Boost, and Battery Reverse
Isolation between: Output & Earth Input & Output Input & Earth	1000V AC 3000V AC 1500V AC

PROTECTIONS:

Input under voltage	Cutoff level 140V AC Turn on voltage 160V AC
Input over voltage	320V AC units shuts off if voltage goes above this value and automatic restart when input is less than 275V AC
Output over voltage (Battery charger included)	29V DC
Output short circuit and overload	Continuously Protected
Battery reverse polarity	Protected
Current drawn by charger from battery	Draws zero current from the battery under any circumstances
Externally Induced Over voltage	Protected against output over-voltage caused by parallel connection of alternator, etc.
Annunciation	Potential free



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	NO/NC contact for charger ON/Fail indication
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MECHANICAL SPECIFICATIONS:

Case Material	Sheet Metal Enclosure
Dimensions: L*B*H	190*85*170mm
Weight	2000g
Mounting	Wall mounting type
Cooling Method	Forced Air Cooled

NOTE:

- Use Y type lugs for wire terminations.
- Fan starts rotating only in boost mode.
- No serviceable parts inside.
- Fuse is for protection against fire.

