



# VEER INDUSTRY

## BATTERY CHARGER FOR SPRAY PUMP (12V 1.7A)

This battery charger is specially designed for **Spray Pump Battery Charger applications** taking specific requirements into consideration.

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

This power supply is designed to provide all the power requirements of residential / commercial water purifiers. They have been designed to operate for wider AC input range (140VAC – 280VAC) and to withstand the universal power conditions. They are designed with high frequency switching technology which makes them highly reliable, cost effective and Compact size, light in weight.

### Salient Features:

- High reliability
- Compact size and less weight
- Protected against Short Circuit, Over Voltage & Temperature - SMPS based.
- Wider AC input range from 140VAC-300VAC

### TECHNICAL SPECIFICATIONS:

Input Voltage	150 – 270V AC
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VEER INDUSTRY  
Surve No 209, Mondhe Wadi, Gaulane Road, Pathardi, Nashik  
Maharashtra 422010.

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Output Voltage-Boost mode	14.4V DC
Output Voltage-Float mode	13.8V DC
Charging Current-Boost mode	1.7A
Leakage Current @ 230 V ac	< 2mA
Line regulation	< 1%
Load regulation	< 1%
Ripple content	150mV p-p
Dielectric strength	
Between Input & Output	2 kV AC
Between Input & Earth	1.5kV AC
Between Output & Earth	1.5kV AC

## PROTECTIONS:

Inrush current	Limited by NTC Thermister
Under voltage at Input	Cutoff at 140V AC. Cut in at 160V AC
Over voltage at Output	15.5V
Short circuit at Output	Protected
Overload at Output	Protected
Reverse polarity of Battery	Protected

## MECHANICAL SPECIFICATIONS:

Type of mounting	Table Top mounting Type
Dimensions WxDxH	122x54x36
Weight	400 gms
Indications	Boost/Float mode –Dual Colour LED

## ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature	0 – 50 Deg.C
Operating Relative Humidity	0 – 80% Max



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Vibrations

10 – 500Hz 2G-10min. / 1 Cycle 60 min.  
along all three axes



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