Enermax Systems
The Energy People
ISO 9001:2015 Certified
M-76, MIDC, Ambad,Nashik 422010, Maharastra,India Tel: 91-253-2381244
E-mail uday@enermax.co.in,rajiv@enermax.co.in,Website : www.enermax.co.in

BATTERY CHARGER

SPRAY PUMP

These battery chargers are specially designed for **Spray Pump Battery Charger applications** taking specific requirements into consideration.

These are based on **SMPS** technology adopting latest **Pulse Width Modulation** technique.

Various available ranges are as follows.

1. 12 Volts, 0.7 Amps: Suitable for Single Battery up to 7.5 Ah capacity.
2. 12 Volts, 1.7 Amps: Suitable for Single Battery up to 26 Ah capacity.

   Other Non-standard ranges like 24 Volts, (Suitable for Two Batteries in Series also can be made available against specific request.

- **THE COMPANY** :

Company with more than 20 years of Experience in switching power supplies and charger.
Manufactured in a state-of-the-art ISO – 9001:2015 Facility.
Highly qualified & experienced **R&D** team.

Technical Specifications

	12V, 0.7A	12V, 1.7A
Electrical Charactristics		
1. Input Voltage	150 – 270V AC	150 – 270V AC
2. Output Voltage-Boost mode	14.4V DC	14.4V DC
3. Output Voltage-Float mode	13.8V DC	13.8V DC
4. Charging Current-Boost mode	0.7A	1.7A
5. Leakage Current @ 230 V ac	< 2mA	< 2mA
6. Line regulation	< 1%	< 1%
7. Load regulation	< 1%	< 1%
8. Ripple content	150mV p-p	150mV p-p
9. Dielectric strength:		
Between Input & Output	2kV AC	2kV AC
Between Input & Earth	1.5kV AC	1.5kV AC
Between Output & Earth	1.5kV AC	1.5kV AC
Protections		
1. In rush current	Limited by NTC Thermister	
2. Under voltage at Input	Cutoff at 140V AC. Cut in at 160V AC	
3. Over voltage at Output	15.5V	15.5V
4. Short circuit at Output	Protected	Protected
5. Overload at Output	Protected	Protected
6. Reverse polarity of Battery	Protected	Protected
Other Features		
1. Indications	Boost/Float mode –Dual Colour LED	
Mechanical		
1. Type of mounting	Table Top mounting Type	
2. Dimensions LxWxH	122x54x36	122x54x36
Environmental		
1. Operating Temperature	0 – 50 Deg.C	
2. Operating Relative Humidity	0 – 80% Max.	
3. Vibrations	10 – 500Hz 2G-10min. / 1 Cycle 60 min. along all three axes	