



Enermax Systems

The Energy People

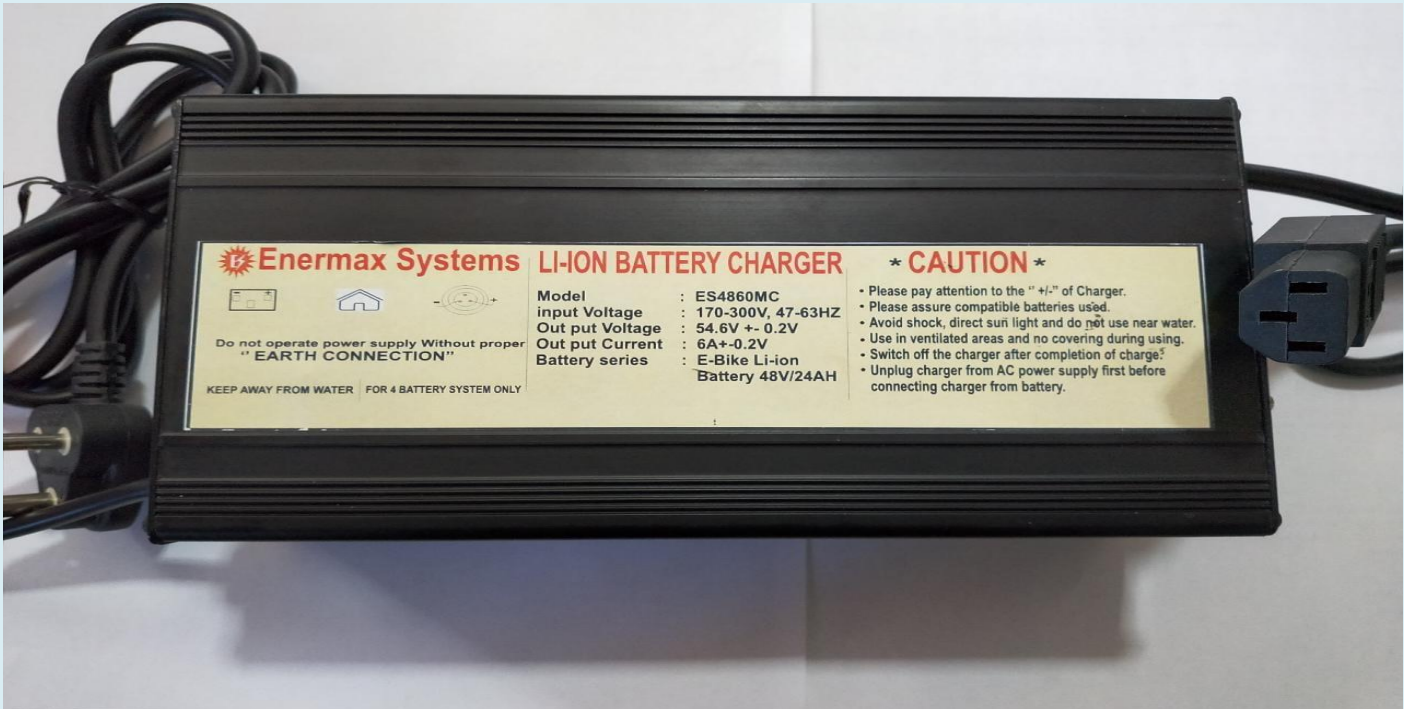
ISO 9001:2015 Certified



M-76, MIDC, Ambad, Nashik 422010, Maharashtra, India Tel: 91-253-2381244

E-mail uday@enermax.co.in, rajiv@enermax.co.in, Website : www.enermax.co.in

E – BIKE BATTERY CHARGER



These battery **LEAD ACID & LI-Iron, LEP04** chargers are specially designed for **E-Bike** taking specific requirements into consideration.

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

Available ranges are as follows.

1. 60 Volts, 3 Amps
2. 60 Volts, 5 Amps
3. 72 Volts, 3 Amps

Other Non-standard ranges 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

60V, 3 A

60V, 5A

72V, 3.5A

Electrical Characteristics:

1. Input Voltage AC	170 – 300V AC	170 – 300V AC	170 – 300V
2. Output Voltage-Boost mode	72V DC	72V DC	86.4V DC
3. Output Voltage-Float mode	69V DC	69V DC	82.8V DC
4. Charging Current-Boost mode	3A	5A	3.5A
5. Leakage Current @ 230 V ac	< 3mA	< 5mA	< 3mA
6. Line regulation	< 1%	< 1%	< 1%
7. Loadregulation	< 1%	< 1%	< 1%
8. Ripplecontent	150mV p-p		
9. Dielectricstrength:			
Between Input & Output	2kV AC	2kV AC	2kV AC
Between Input & Earth	1.5kV AC	1.5kV AC	1.5kV AC
Between Output & Earth	1.5kV AC	1.5kV AC	1.5kV AC

Protections:

1. In rushcurrent	Limited by NTC Thermister		
2. Over voltage atInput	Shut down above 300V AC		
3. Under voltage atInput	Cutoff at 140V AC. Cut in at 160V AC		
4. Over voltage at Output	75V	75V	90V
5. Short circuit at Output	Protected	Protected	Protected
6. Overload at Output	Protected	Protected	Protected
7. Reverse polarity of Battery	Protected	Protected	Protected
8. Over voltage due to external source	Protected	Protected	Protected

Other Features:

1. Indications	Charging ON, Mains ON		
----------------	-----------------------	--	--

Mechanical:

1. DimensionsWxDxH	180x90x60	160x90x60	160x90x60
2. Mounting	Table top mounting		
3. Approx. Weight	500 g	500 g	500 g

Environmental:

1. OperatingTemperature	0 – 50 Dreg's		
2. OperatingRelativeHumidity	0 – 80%Max.		
3. Vibrations	10 – 500Hz 2G-10min. / 1 Cycle 60 min. along all threeaxes		