



NEW ENERGY SOLUTION

Lithium Battery Manufacturer



EV CHARGER



 **ELECTRIC**

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ABOUT THE PRODUCT

NEW ENERGY SOLUTION EV Charger is a powerful and efficient solution for charging electric two-wheelers & three-wheelers, proudly designed and developed in India. It operates on a single-phase mains supply, with near to unity power factor and low THD in current which ensures high energy efficiency. The charger is capable of charging both lithium-ion and lead-acid batteries, with settings configured via CAN communication protocol & software.

KEY FEATURES

1. Battery reverse polarity protection.
2. Operate at unity power factor which makes it energy efficient.
3. Better charging profiles to improve battery health.
4. LED indications for different charging levels, faults and warnings.
5. Audio alarm during power on.
6. Beep sound on full battery charge.
7. Portable with easy handling.
8. Automatically protects the battery from over charging.
9. Compatible with all commercial batteries available in the market.
10. No battery connected detection.

PROTECTIONS

1. Input under/over voltage protection.
2. Output under/over voltage protection.
3. Output over current protection.
4. Over temperature protection.
5. Short circuit protection.
6. Reverse polarity protection.

APPLICATIONS

1. Perfect for vehicles such as electric scooters and e-rikshaw.
2. Suitable for charging different types of batteries(Lead acid/ Lithium ion).

BENEFITS

1. Promotes Sustainability.
2. Energy efficient and cost saving.

SPECIFICATIONS

Parameters	86-01	86-07	86-08	86-05	86-11	86-12	86-26	86-16	86-15
	1.2 kW	1.5 kW	750 W	900 W	3 kW				
INPUT PARAMETERS									
Input Voltage	190V-265V					200V-265V			
Input Current	≤ 7A	≤ 9A	≤ 5A	≤ 6A		≤ 16A		≤ 16A	
Input Frequency	50Hz								
Power Factor	> 0.98								
Efficiency	>92%					>91%			
OUTPUT PARAMETERS									
Output Voltage Range	40V-72V	40V-72V	56V-84V	40V-60V	47V-73V	57V-84V	40V-60V	47V-73V	40V-60V
Maximum Output Current	20A	25A	20A	12A	12 A	10.5 A	15 A	50A	50A
Output Power	1200W	1500W	720W	876 W		900W	3000W	3000W	
Output Ripple Voltage	< 1%					< 1%			
Line Regulation	< 2%					< 3%			
Load Regulation	< 2%					< 3%			
USER INTERFACE & COMMUNICATION									
Indicator	LED								
Audio Indicator	Buzzer			NA					
Communication	CAN, UART								
PHYSICAL									
L X W X H	260 x 185 x 90mm ³			291 x 134 x 93mm ³			270 x 265 x 110mm ³		
Net wt. / Gross wt.	Approx 3.5 Kg					Approx 5 Kg			
OTHER INFO									
Operating Temperature	0 to 50 °C			- 5 to 55 °C			0 to 50 °C		
Relative Humidity	0-95% RH(Non-condensing)								
Noise	< 45 dB								
IP Degree of Protection	IP 20			IP67					
Output Connector*	SB50 without CAN, SB75 with CAN						SB75 with CAN		
Cooling	Air Forced Cooling								