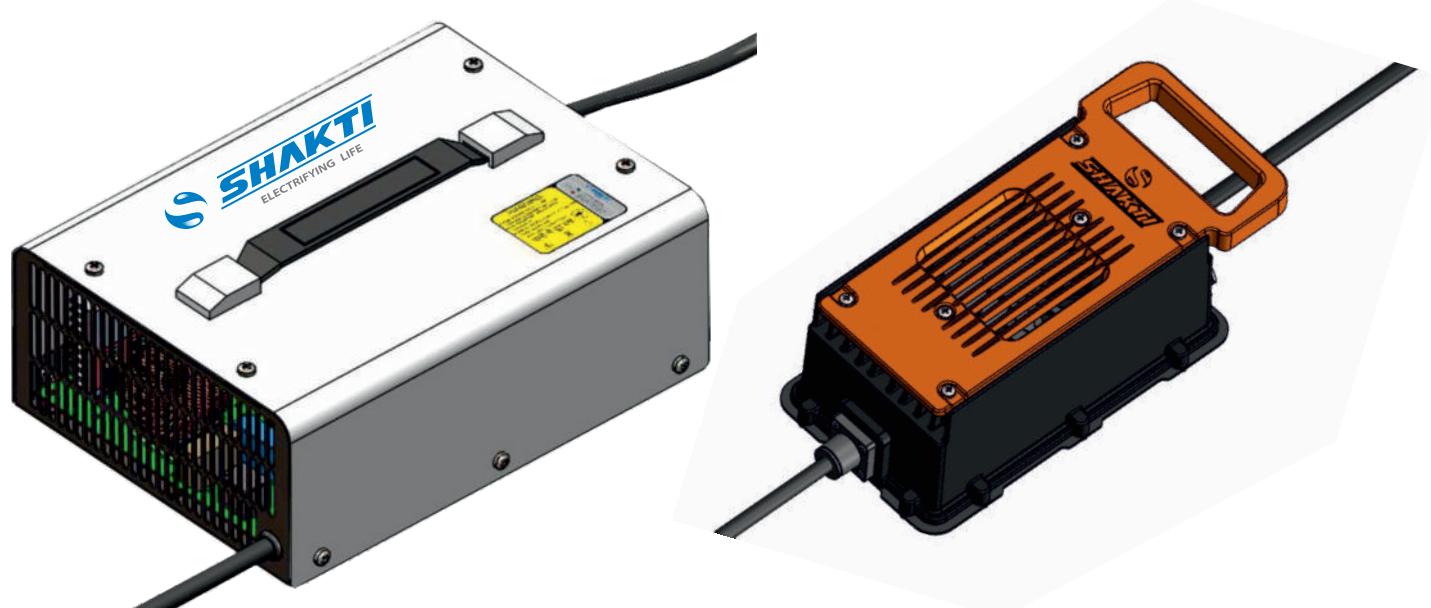




**SHAKTI**  
ELECTRIFYING LIFE



## SHAKTI EV CHARGER



## SHAKTI EV CHARGER

### ABOUT THE PRODUCT

The Shakti EV Charger is a powerful and efficient solution for charging electric two-wheelers and 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 & Shakti EV 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	SHAKTI EV CHARGER																
	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												
<strong>INPUT PARAMETERS</strong>																	
Input Voltage	190V-265V							200V-265V									
Input Current	≤ 7A	≤ 9A	≤ 5A	≤ 6A	≤ 16A	≤ 16A	≤ 16A	≤ 16A	≤ 16A								
Input Frequency	50Hz																
Power Factor	> 0.98																
Efficiency	>92%							>91%									
<strong>OUTPUT PARAMETERS</strong>																	
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	3000W	3000W								
Output Ripple Voltage	< 1%							< 1%									
Line Regulation	< 2%							< 3%									
Load Regulation	< 2%							< 3%									
<strong>USER INTERFACE &amp; COMMUNICATION</strong>																	
Indicator	LED																
Audio Indicator	Buzzer			NA													
Communication	CAN, UART																
<strong>PHYSICAL</strong>																	
L X W X H	260 x 185 x 90mm <sup>3</sup>			291 x 134 x 93mm <sup>3</sup>			270 x 265 x 110mm <sup>3</sup>										
Net wt. / Gross wt.	Approx 3.5 Kg						Approx 5 Kg										
<strong>OTHER INFO</strong>																	
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																

\* Output connector can be customised as per user requirements

\*\* upcoming product