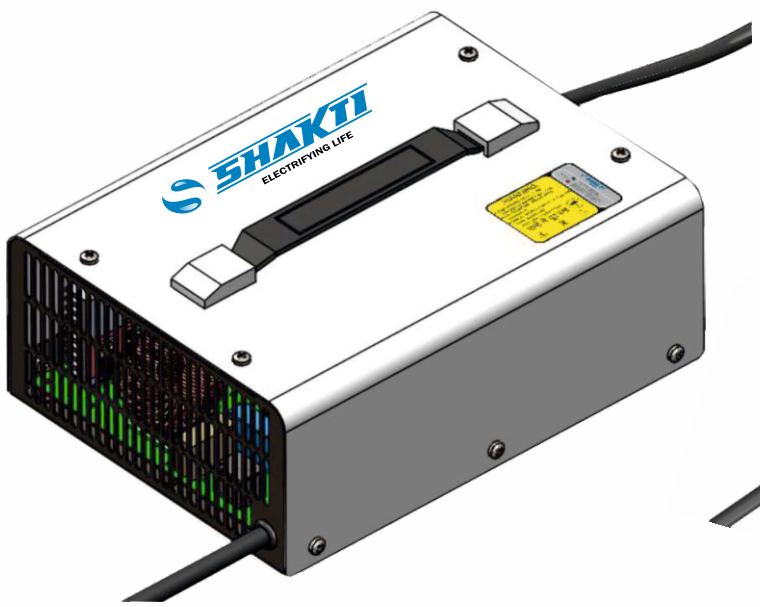
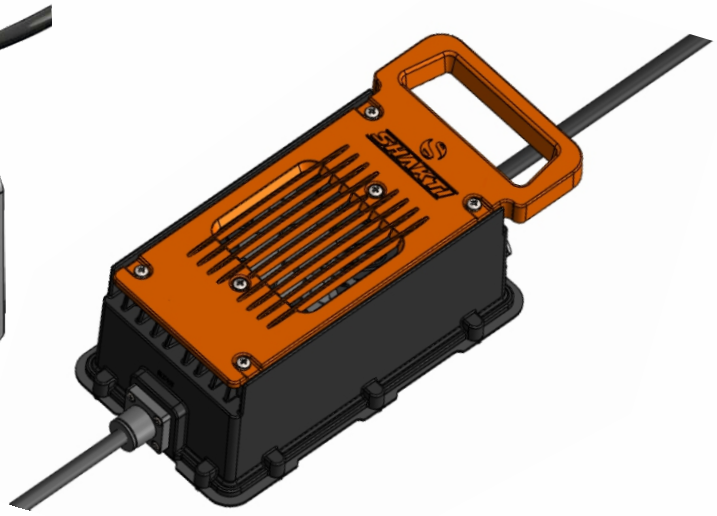
MADE IN INDIA

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.

SPECIFICATIONS

Parameters	SHAKTI EV CHARGER			
	1.2 kW	1.5 kW		750 W
INPUT PARAMETERS				
Input Voltage	190V-265V			
Input Current	< 7A	< 9A		< 5A
Input Frequency	50Hz			
Power Factor	> 0.98			
Efficiency	>92%			
OUTPUT PARAMETERS				
Output Voltage Range	40V-72V	40V-72V	56V-84V	40V-60V
Maximum Output Current	20A	25A	20A	12A
Output Power	1200W	1500W		720W
Output Ripple Voltage	< 1%			
Line Regulation	< 2%			
Load Regulation	< 2%			
USER INTERFACE & COMMUNICATION				
Indicator	LED			
Audio Indicator	Buzzer			
Communication	CAN, UART			
PHYSICAL				
L X W X H	260mm x 185mm x 90mm			291mm x 134mm x 93mm
Net wt. / Gross wt.	Approx 3 Kg			
OTHER INFO				
Operating Temperature	0 to 50 °C			- 5 to 55 °C
Relative Humidity	0-95% RH(Non-condensing)			
Noise	< 45 dB			
IP Degree of Protection	IP 20			IP67
Cooling	Air Forced Cooling			

BENEFITS

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

APPLICATIONS

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

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.