



SHAKTI EV CHARGER



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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					
	1.2 kW	1.5 kW		750 W	900 W	
INPUT PARAMETERS						
Input Voltage	190V-265V					
Input Current	< 7A	< 9A		< 5A	< 6A	
Input Frequency	50Hz					
Power Factor	> 0.98					
Efficiency	>92%					
OUTPUT PARAMETERS						
Output Voltage Range	40V-72V	40V-72V	56V-84V	40V-60V	47V-73V	57V-84V
Maximum Output Current	20A	25A	20A	12A	12A	10.5A
Output Power	1200W	1500W		720W	876 W	
Output Ripple Voltage	< 1%					
Line Regulation	< 2%					
Load Regulation	< 2%					
USER INTERFACE & COMMUNICATION						
Indicator	LED					
Audio Indicator	Buzzer			NA		
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					