

EV SCOOTER CHARGER

72V / 10A | 72V / 3.3A
60V / 4A | 48V / 5A



Key Features



**INTELLIGENT MULTI-STAGE
CHARGING TECHNOLOGY**



**INTEGRATED BATTERY
MANAGEMENT SYSTEM (BMS)**



**REAL-TIME STATUS VIA
LED INDICATORS**



**QUICK PLUG & PLAY EU
STANDARD AC CONNECTION**

The Smarten EV Scooter Charger is designed to deliver safe, efficient, and reliable charging for electric scooters. Available in 72V / 10A, 72V / 3.3A, 60V / 4A, and 48V / 5A variants, it provides the flexibility to match different battery configurations and charging requirements.

Built with intelligent multi-stage charging technology, the charger ensures efficient power delivery while helping maintain battery health and performance. Integrated protection features safeguard against short circuits, over-temperature, reverse battery connection, and other electrical conditions, providing dependable operation during every charging cycle.

Designed for everyday convenience, the Smarten EV Scooter Charger features clear LED status indicators for easy monitoring and a compact, user-friendly design with a standard EU connection. With reliable performance, efficient charging, and built-in safety protection, it is a smart charging solution for modern electric scooters.

TECHNICAL SPECIFICATIONS

PRODUCT NAME				
CHARGER RATING	72V / 10A	72V / 3.3A	60V / 4A	48V / 5A
Battery Pack	72V, Lithium	72V, Lead Acid	60V, Lead Acid	48V, Lead Acid
Nominal Input Voltage	230V			
Nominal Input Current (RMS)	3.5A	2.55A ± 15%		
Input Operation Voltage	180-300V	125-300V		
Max. Input Power	910W	320W ± 10%		
Input Frequency Range	50-60Hz			
Battery Type	Li-Ion	Lead Acid / VRLA		
DC Output Voltage Range	60V to 84V	63V to 87V	52.5V to 72.5V	42V to 58V
Battery Quantity Required	72V Li-Ion Battery Pack	6	5	4
Float Charging Voltage	84V ± 0.5V	81.6V ± 0.5V	68.0V ± 0.5V	54.4V ± 0.5V
Boost Charging Voltage	NA	87.0V ± 0.5V	72.5V ± 0.5V	58V ± 0.5V
Battery Charging Current	10A ± 0.5A	3.3A ± 0.3A	4A ± 0.3A	5A ± 0.3A
PROTECTIONS				
Short Circuit Protection	Yes, Provided			
Over Temperature	Yes provided, if Mosfet heat sink temperature goes above 110°C System will decrease the charging current			
Reverse Battery	Red LED will glow			
DISPLAY PARAMETERS				
LED	Charging LED, Charged LED, Reverse Battery LED, Battery connected			
SAFETY				
HV Test Input to Output	Leakage current <5mA when 3.75kV applied for 1 min			
ENVIRONMENT				
Operating Temperature	0°C to 50°C			
Storage Temperature	0°C to 50°C			
Operating Relative Humidity	95% Non-Condensing			



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WITH GLOBAL SALES



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