



**EVQPOINT**

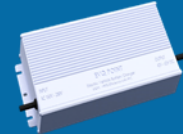
CONVENIENCE INNOVATED

# 300W-2500W AC-DC CHARGERS

## FOR ELECTRIC TWO WHEELERS (ELECTRIC BIKES, ELECTRIC SCOOTERS) & THREE WHEELERS (AUTO-RICKSHAWS)



- High Efficiency > 90%
  - Energy saving and cost saving in each charge
- Power Factor > 0.99 & meets IEC-61000-4-3 Norms
- Smart Auto Cut-off & Pulse charging
  - Improves battery life
- Isolated CAN Communication interface
  - with BMS
  - with Smart Gateway to Cloud
- Energy Metering for each charge cycle
- Robust protections for Over-Currents and Surges
- Track your usage and control from anywhere
  - When interfaced with cloud



**300W – 650W**



**1500W-2500W**

### Electric Scooter Charging

#### EVQPOINT PRODUCTS & SOLUTION





Product Name	1500W – 2500W	400W – 650W
AC power supply	1P + N + PE	1P + N + PE
AC operating voltage	100 – 275VAC	100 – 275VAC
Max AC Voltage	300VAC	300VAC
Output Power	<b>1500W/1800W/2400 W</b>	<b>300W/450W/650W</b>
For Batteries	48V / 72V	48V / 72V
Output voltage (Programmable over CAN)	42-58V / 60-85V	42-58V / 60-85V
Efficiency	> 92%	> 92%
Power Factor	> 0.97 (1.0)	> 0.97 (1.0)
Charger control	Standard CC/CV or Programmable V, I, P operation over CAN	
THD	As per IEC 61000-2-3	
Protections		
User Safety	Output is enabled only on battery detection	
Critical Safety Protections	Reverse Battery, Over voltage, Over current, Short circuit, Plug-out protection, and Over temperature	
Automatic recovery after nuisance trip	The system will automatically resume charging after minor faults such as OVP, UVP, OTP or OCP. No user intervention required.	
Environmental & Mechanical		
Operating Temperature	-30 °C to +50 °C (-22 °F to +122 °F)	
Enclosure Protection	IP2x with Fan	IP2x with Fan (or) IP54 without Fan option
Dimension (mm) (H x W x D)	270 x 120 x 120	200 x 90 x 50
Interface & Control		
CAN 2.0 Protocol	Protocol as per J1939 Global standards;	
Key Interfaces	Emergency signal, Fault Flag, Power ON/OFF Indication	
Authentication	Checks for Right battery match (only on CAN wired interface)	

