

84V10A EV CHARGER

48V15A EV CHARGER

48V20A EV CHARGER



Main Attributes

- ★ Engineered for Indian power challenges
- ★ Two stage (CC-CV Mode) charging profile suitable for Li-ion & LFP batteries
- ★ Deep discharge battery wake-up facility
- ★ Accurate battery charging voltage & current limit.
- ★ Over temperature shutdown with auto recovery.
- ★ RCD / Electric Shock protection as per AIS 156 Phase - II
- ★ CAN communication as per AIS 156 Phase - I
- ★ Universal cable compatibility for different EV's
- ★ Software Can be Updated easily
- ★ Flexible charger cable length
- ★ Portable, Light weight & Compact allow users to charge anywhere

SPECIFICATIONS

AC Input

AC Input AC Input Voltage - range	: 170 - 280 VAC
AC Input Frequency	: 47 - 53 Hz AC
Inrush Current	: <40A

AC Input Voltage - nominal	: 230 VAC rms
Input Current - maximum	: 6A rms

DC Output

	84V10A EV Charger
Maximum DC Output Voltage (Voltage Can be settable as per customer requirement)	: 84V ± 0.2V DC
Output Current	: 10A ± 0.5A DC
Efficiency	: >85%
Output Line & Load Regulation	: Tolerance 2% at cable end
DC Ripple / Noise	: <600mV / <1200mV Pk-Pk
Communication	: CAN 2.0A & 2.0B

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Maximum DC Output Voltage	: 58.8V ± 0.2V DC
Output Current	: 15A ± 0.5A DC
Efficiency	: >85%
Output Line & Load Regulation	: Tolerance 2% at cable end
DC Ripple / Noise	: <600mV / <1200mV Pk-Pk
Communication	: CAN 2.0A & 2.0B

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Maximum DC Output Voltage	: 58.8V ± 0.2V DC
Output Current	: 20A ± 0.5A DC
Efficiency	: >85%
Output Line & Load Regulation	: Tolerance 2% at cable end
DC Ripple / Noise	: <600mV / <1200mV Pk-Pk
Communication	: CAN 2.0A & 2.0B

Protections

Output over load	: Available
Output short circuit	: Available
Output over voltage	: Available
Output under voltage	: Available
Over temperature with auto recovery	: Available
Battery reverse	: Available
Safety timer	: Available
Zero start-up (Battery wake-up) or Deep discharge battery wake-up	: Available
Earth leakage detection	: As per IS12640 class-I

Mechanical

Enclosure	: Aluminium
Dimensions	: W=150mm, H=91mm, D=240mm
Weight	: 2.5 Kg (Tentative)
AC input connector	: 1.5 meter length with 3core, 3pin AC plug
DC output connector	: Amphenol (or) As per customer requirement

Operation

Mains ON LED	: Red LED
Output ON LED	: Red LED
Charging	: Battery charging status LED's blink
Charge Complete	: Output OFF, all Green LEDs Constant

Environmental

Operating Temperature	: 0°C to +50°C
Humidity	: 95RH± 5 %

