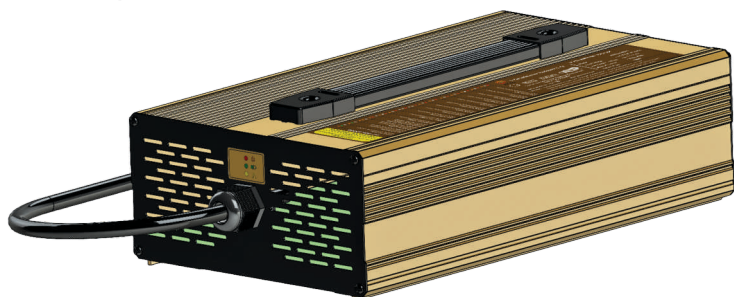


48V25A EV CHARGER

48V40A EV CHARGER

In built PFC & CAN



Main Attributes

- ★ Engineered for Indian power challenges
- ★ Two stage (CC-CV Mode) charging profile suitable for Li-ion & LFP batteries
- ★ High efficiency charger with PFC
- ★ Provided handle for easy carry
- ★ 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 any where

SPECIFICATIONS

AC Input

AC Input AC Input Voltage - range	: 150 - 275 VAC
AC Input Voltage - nominal	: 230 VAC rms
AC Input Frequency	: 47 - 53 Hz AC
Input Current - maximum	: 16A rms
Power Factor	: >95
Harmonics	: ≤ 10%
Inrush Current	: <40A

DC Input

Maximum DC Output Voltage	: 58.8V ± 0.2V DC
(Voltage can be settable as per customer requirement)	
Output Current:	48V25A EV Charger : 25A ± 0.5A DC
	48V40A EV Charger : 40A ± 0.5A DC
Efficiency	: ≥ 90%
Output Line & Load Regulation	: Tolerance 2% at cable end
DC Ripple / Noise	: <600mV / < 1200mV Pk-Pk

Protections

Input under voltage	: Available
Input over voltage	: Available
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

Communication:

CAN Communication	: CAN 2.0A and CAN2.0B
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Environmental

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

Mechanical - (48V40A EV Charger)

Enclosure	: Aluminium
Dimensions	: L = 342.4 mm, W = 199mm with handle H = 107.5mm
Weight	: 4.5Kg (Tentative)
AC input connector	: 1.5-meter length with 3core, 3pin AC plug
DC output connector	: 1.0 meter with SBS75X connector

Mechanical - (48V25A EV Charger)

Enclosure	: Aluminium
Dimensions	: L = 270 mm, W = 150mm with handle H = 86mm
Weight	: 2.5Kg (Tentative)
AC input connector	: 1.5-meter length with 3core, 3pin AC plug
DC output connector	: Chogori (or) as per customer requirement

Operation

Mains ON LED	: Amber LED
Charging Status ON LED	: BI-Colour LED (Red colour for charging and Green for full Charge)
Fault LED	: RED LED