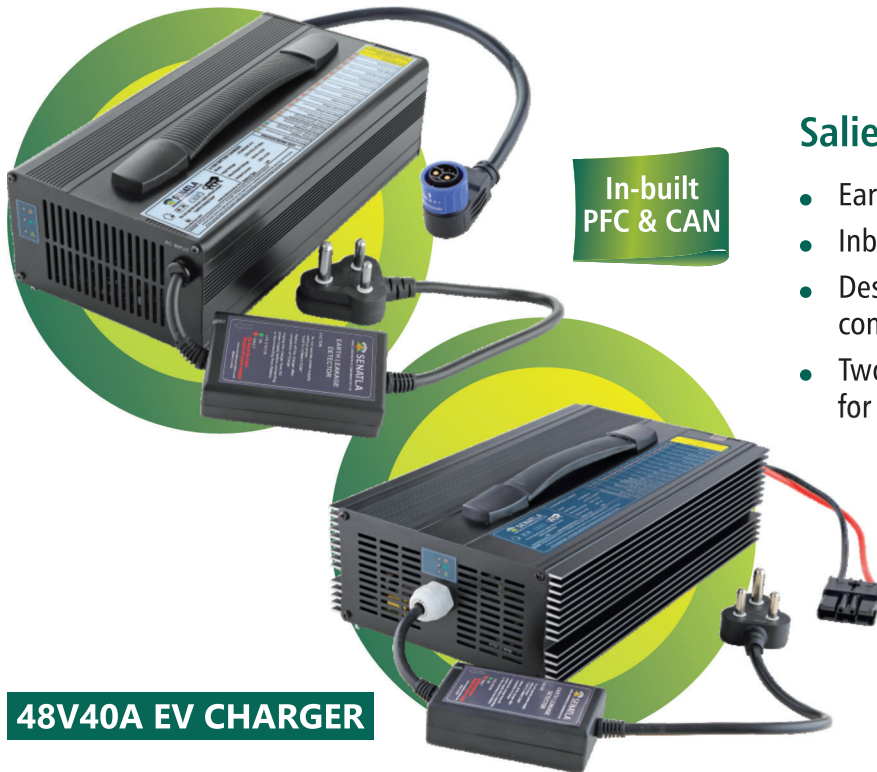




## 48V25A EV CHARGER



In-built  
PFC & CAN

## Salient Features

- Earth leakage protection as per AIS 156 Phase-II
- Inbuilt CAN communication as per AIS 156 Phase-I
- Designed to meet adverse Indian power condition.
- Two stage (CC-CV Mode) charging profile suitable for Li-ion & LFP batteries
  - Zero voltage start up facility
  - Wide input operating range 150V-275V
  - High efficiency charger with PFC
  - Provided handle for easy carry
  - CAN enable function
  - Battery reverse polarity protection.
  - Overload and short circuit protection.

## 48V40A EV CHARGER

### 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	: > 0.95
Harmonics	: ≤ 10%
Inrush current	: < 40A

#### DC Output

Maximum DC Output Voltage	: 58.8V ± 0.2V DC (Voltage Can be settable as per customer requirement)
Output Current:	<b>48V25A EV Charger</b> 25A ± 0.5A DC <b>48V40A EV Charger</b> 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	: W= 206 mm, H= 94mm D= 332mm
Weight	: 6.5Kg (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	: W= 150 mm, H= 85mm D= 300mm
Weight	: 3Kg (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