

84V10A EV CHARGER **48V15A EV CHARGER**
48V20A EV CHARGER



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
 - Compact design easy to carry
 - Wide input operating range 170V-300V
 - High efficiency – consumes less power
 - Accurate battery charging voltage & current limit.
 - Battery reverse polarity protection.
 - Overload protection.
 - Over temperature shutdown with auto recovery.

SPECIFICATIONS

AC Input

AC Input AC Input Voltage - range :	170 - 300 VAC	AC Input Voltage - nominal :	230 VAC rms
AC Input Frequency :	47 - 53 Hz AC	Input Current - maximum :	8A rms
Inrush current :	<40A		

DC Output

	84V10A EV Charger	48V15A EV Charger	48V20A EV Charger
Maximum DC Output Voltage :	84V ± 0.2V DC (Voltage Can be settable as per customer requirement)	54.6V ± 0.2V DC	54.6V ± 0.2V DC
Output Current :	10A ± 0.5A DC	15A ± 0.5A DC	20A ± 0.5A DC
Efficiency :	>85%	>85%	>85%
Output Line & Load Regulation :	Tolerance 2% at cable end	Tolerance 2% at cable end	Tolerance 2% at cable end
DC Ripple / Noise :	<600mV / <1200mV Pk-Pk	<600mV / <1200mV Pk-Pk	<600mV / <1200mV Pk-Pk
Communication :	CAN 2.0A & 2.0B	CAN 2.0A & 2.0B	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

Environmental

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

Mechanical

Enclosure :	Aluminium
Dimensions :	W=150mm, H=86mm, D=240mm
Weight :	3 Kg
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 :	Red LED
Output ON LED :	Red LED
Charging :	Battery charging status LED's blink
Charge Complete :	Output OFF, all Green LEDs Constant

