

48V6A LLC EV CHARGER

60V6A LLC EV CHARGER



Salient Features

- Earth leakage protection as per AIS 156 Phase-II
- Inbuilt CAN communication as per AIS 156 Phase-I
- Designed with most advanced LLC Resonance technology to meet Indian power conditions
- Two stage (CC-CV Mode) charging profile suitable for Li-ion & LFP batteries
- Wide input operating range 170V-300V
- Zero voltage start up facility
- Compact design easy to carry
- High efficiency $\geq 92\%$
- Accurate battery charging voltage & current limit
- Battery reverse protection
- Overload Battery
- Over temperature shutdown with auto recovery.

SPECIFICATIONS

AC Input

AC Input AC Input Voltage - range : 170 - 300 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

48V6A LLC EV Charger
Maximum DC Output Voltage : $54.6V \pm 0.2V$ DC
(Voltage Can be settable as per customer requirement)
Output Current : $6A \pm 0.5A$ DC
Efficiency : $\geq 92\%$
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 : $67.2V \pm 0.2V$ DC
Output Current : $6A \pm 0.5A$ DC
Efficiency : $\geq 92\%$
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=102mm, H=57mm, D=205mm
Weight : 1.3 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

Environmental

Operating Temperature : $0^{\circ}C$ to $+50^{\circ}C$
Humidity : $95RH \pm 5\%$