

48V 15A EV CHARGER

48V 18A EV CHARGER



Salient Features

- Designed to meet adverse Indian power condition.
- Three stage (CC-CV Boost, Float and Trickle mode) Lead-acid battery charging
- Micro controller-based profile as per battery needs.
- 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 (Relay)
- 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

	48V15A EV Charger
Maximum DC Output Voltage (Voltage Can be settable as per customer requirement)	: 65.0V \pm 0.50V DC
Output Current	: 15A \pm 0.50A
Efficiency	: > 85%
Output Line & Load Regulation	: Tolerance \pm 2% at cable end
DC Ripple / Noise	: <600mV / <1200

48V18A EV Charger

Maximum DC Output Voltage	: 65.0V \pm 0.50V DC
Output Current	: 18A \pm 0.5A
Efficiency	: > 85%
Output Line & Load Regulation	: Tolerance \pm 2% at cable end
DC Ripple / Noise	: <600mV / <1200mV Pk-Pk

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
Boost mode Safety timer	: Available
Float mode safety timer	: Available
Equalization mode safety timer	: Available

Environmental

Operating Temperature	: 0°C to +50°C
Humidity	: 95RH \pm 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	: 1.0 meter SB50 connector with 2 Core cable

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

