



Salient Features

- 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	: 10A rms
Inrush current	: <40A

DC Output

Maximum DC Output Voltage	: $81.25V \pm 0.2V$ DC
Output Current	: $15A \pm 0.5A$ DC
Efficiency	: >85%
Output Line & Load Regulation	: Tolerance 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
Bulk mode Safety timer	: Available
Float mode Safety timer	: Available
Equalization mode Safety timer	: Available

Environmental

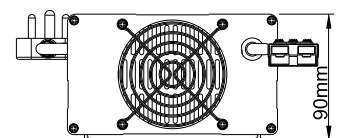
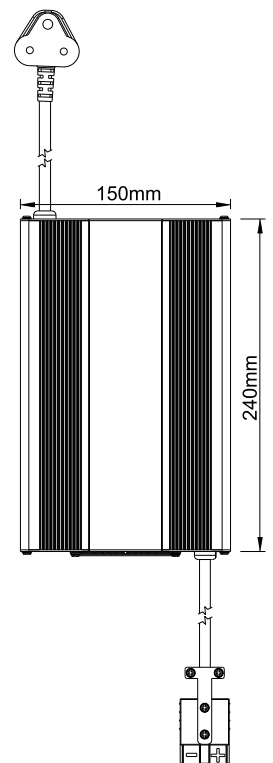
Operating Temperature	: 0°C to $+50^{\circ}\text{C}$
Humidity	: $95\text{RH} \pm 5\%$

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



SENATLA INNOVATIVE EV COMPONENTS PVT LTD

Regd. Off: Plot No. 8,9 , Phase-2, Cherlapally IDA, Ghatkesar Mandal, Hyderabad, Rangareddy, Telangana, India - 500051

www.senatlainnovative.com