



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	: 11.35A rms
Inrush current	: <40A

DC Output

Maximum DC Output Voltage	: 54.6V \pm 0.2V DC
(Voltage Can be settable as per customer requirement)	
Output Current	: 20A \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
Safety timer	: Available
Zero start-up (Battery wake-up) or Deep discharge battery wake-up	: Available

Environmental

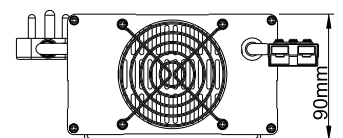
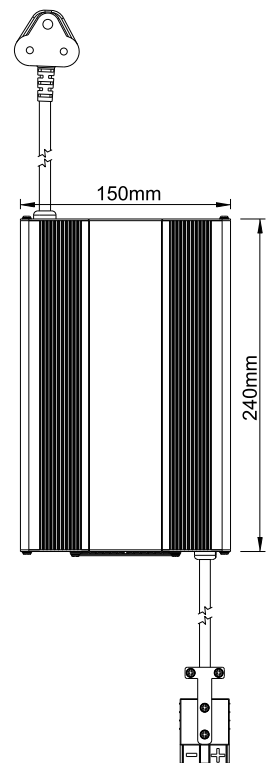
Operating Temperature	: 0°C to +50°C
Humidity	: 95RH \pm 5 %

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



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