

**In-built  
PFC & CAN**

## 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
- Wide Input Operating Range 150V-275V
- High efficiency Charger with PFC
- Provided Handle for easy carry
- CAN enable function
- Battery reverse polarity protection.
- Overload and Short Circuit protection

# SPECIFICATIONS

## AC Input

AC Input AC Input Voltage - range	: 150 - 275 VAC
AC Input Voltage - nominal	: 230 VAC rms
AC Input Frequency	: 47 - 53 Hz AC
Input Current - maximum	: 16A rms
Power Factor	: >0.95
Harmonics	: $\leq 10\%$
Inrush current	: <40A

## DC Output

Maximum DC Output Voltage (Voltage Can be settable as per customer requirement)	: $84V \pm 0.2V$ DC
Output Current	: $25A \pm 0.5A$ DC
Efficiency	: $\geq 90\%$
Output Line & Load Regulation	: Tolerance 2% at cable end
DC Ripple / Noise	: <600mV / <1200mV Pk-Pk

## Protections

Input Under Voltage	: Available
Input Over Voltage	: Available
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

## Communication:

CAN Communication	: CAN 2.0A and CAN2.0B
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## Environmental

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

## Mechanical

Enclosure	: Aluminium
Dimensions	: W= 206 mm, H= 94mm D= 332mm
Weight	: 6.5Kg (Tentative)
AC input connector	: 1.5-meter length with 3core, 3pin AC plug
DC output connector	: 1.0 meter with SBS75X connector

## Operation

Mains ON LED	: Amber LED
Charging Status ON LED	: BI-Colour LED (Green colour for charging and Red for full Charge)
Fault LED	: RED LED



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