



Features :

- CVCC Charging profile
- Charging indication with LED
- Prevents over charging of battery
- Full power between -0°C & +50°C
- Compact size, Cost optimized
- Wide-range input 150-270VAC

Input specifications

Voltage range	150 - 270V AC
Frequency range	50 / 60Hz
AC Current (Typ.)	2.4A@ 150V AC 1.7A@ 230V AC
Efficiency (Typ.)	>80% @ 230V AC
Inrush current	<70Amps; Measured at 270VAC, 25°C Ambient, Cold start

Output specifications

Output voltage (Typ.)	Float - 13.5, Boost - 14.4V DC
Output current (Typ.)	10A
Ripple & Noise*	<1% of vout
Line & Load regulation	±1%
Hold up time	≥7ms at 150V AC & ≥40ms at 230V AC, Full load
Alarm contact	A potential free 1C/O contact is available which operates when the charger is on.

Note 1 :- Ripple & Noise measured at 20MHz of bandwidth by using 0.1µF & 10µF parallel capacitor.

Protections

Input fused	4A - 250VAC Internal
Output over load & Current limit	Constant current type with auto recovery
Output short circuit	Auto recovery type
Output over voltage	16.5VDC ± 0.5VDC Protection type : Latched; Input AC power has to be recycled to recover the battery charger.
Reverse battery	Protection by relay

Environment specifications

Operating temperature	0°C to +50°C
Storage temperature	0°C to +85°C
Humidity	<95% RH, Non condensing

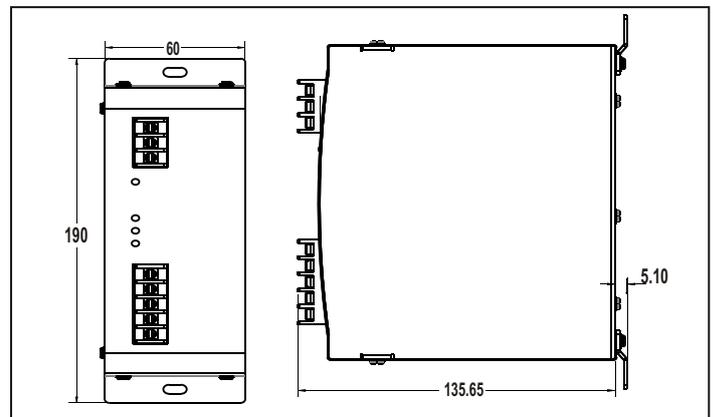
Safety & EMC

Dielectric withstand voltage	I/P to Earth : 1500VAC I/P to O/P : 2500VAC O/P to Earth : 500VAC
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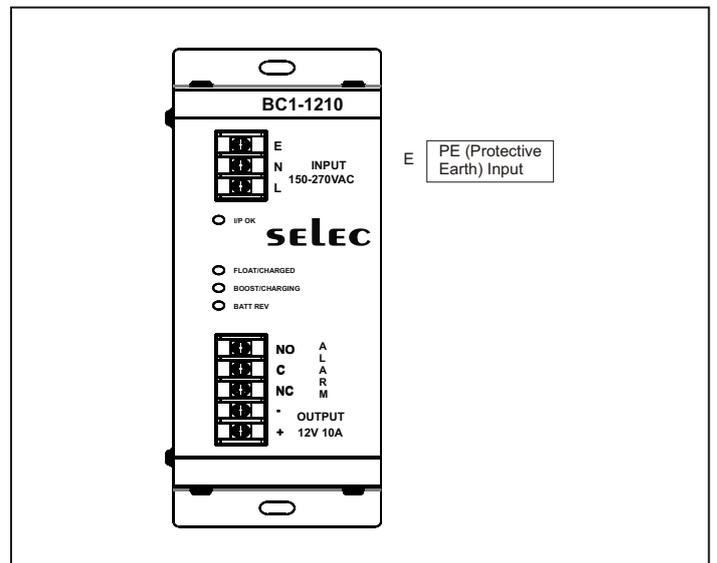
Mechanical specifications

Mounting	Wall mount
Dimension	60*190*140.75mm (W*H*D)
Weight	1050 gms

Dimensions (All are in mm)



Terminal connections



Ordering information

Product code	Description	Certification
BC1-1210	12V/10A Wall mounted Battery charger in Metal Housing	----