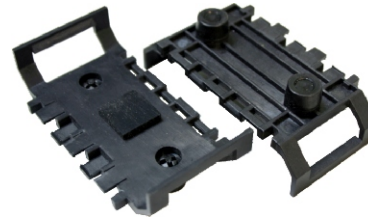


## SBC-Series

### 3 Stage Lead Acid Battery Charger 12VDC 5A



SBC - 2105



Plastic Mounting Bracket

### Description

SBC-2105 is a compact, efficient switching mode charger for sealed and wet types of lead acid battery. In the Bulk Charge stage it supplies in a constant current mode until the battery voltage reaches to the set V absorption level, charging mode then changes to Absorption Stage. The charger keeps the battery at this V absorption level until charging current drops to I float level and charging mode change to Float stage. The battery is then fully charged and the charger can be kept connected to the battery permanently. In Float Charge stage, the charger will make up for the loss of self discharge of the battery.

The charger has full electronic protections with auto-recovery once the fault has been cleared.

The charger covers a wide range of sealed and wet types of lead acid battery.

The plastic clip-on mounting bracket makes fixing charger easily even in hard to reach tight location.

### Features

- 3 Stage (IUOU) Switching Mode lead acid battery charger
- 2 Selectable settings for Sealed and Wet battery
- LED indicators for charging and Full / Float mode
- Wide tolerance for mains voltage (180~260V)

### Electronic Protections with Auto Recovery

- Output short circuit output may be short circuited without damage to charger.
- Reverse polarity battery leads may be wrongly connected to battery without damage the charger and battery.
- Over Voltage The charger's output will shut down when output voltage is over 16V.
- Over temperature Output will cut off when temperature of charger is too hot.
- Battery Under Voltage Protection-Charger stops charging when battery under 7.5V to avoid charging wrong battery (6V and less) or faulty battery.

### Specifications

Model	SBC - 2105
AC Input Voltage 180 - 260VAC, 50Hz~	Yes
AC Input Current at Full Load at 230VAC	0.8A
<b>Output (Charge) Voltage Selections (2 battery type)</b>	
Sealed Battery - Absorption(13.8V to 14.1V) ; Float(13.2V to 13.5V)	Yes
Wet Battery - Absorption(14.1V to 14.4V) ; Float(13.4V to 13.7V)	Yes
Maximum Output Charging Current (continuous)	5A
Line Regulation (180V to 260V) for Charging Current	0.6%
Ripple & Noise (peak-peak)	120mV
Efficiency at Maximum Power	84%
<b>Protections</b>	
Short Circuit Protection	Yes
Overload Protection	Yes
Reverse Polarity Protection	Yes
Over Temperature Protection	Yes
OVP (Output Over Voltage Protection)	Yes
Battery Under Voltage Protection	Yes, when battery voltage <7.5V, charger will stop charging battery
Approvals	CE EN 60335 EN 55014
Charge Indication	1 LED, Red: Charging, Green: Full or Float
Anodized Aluminum Casing	Yes
Dimension (WxHxD)	142x75x32 mm 5.6x3x1.3 inch
Weight	700 g
Included Accessories (cable, mounting clips)	Yes
Recommended Battery Capacity Range	20 - 50AH
Remarks	110VAC 60Hz~ (Input on request)

■ All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa.

■ SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE