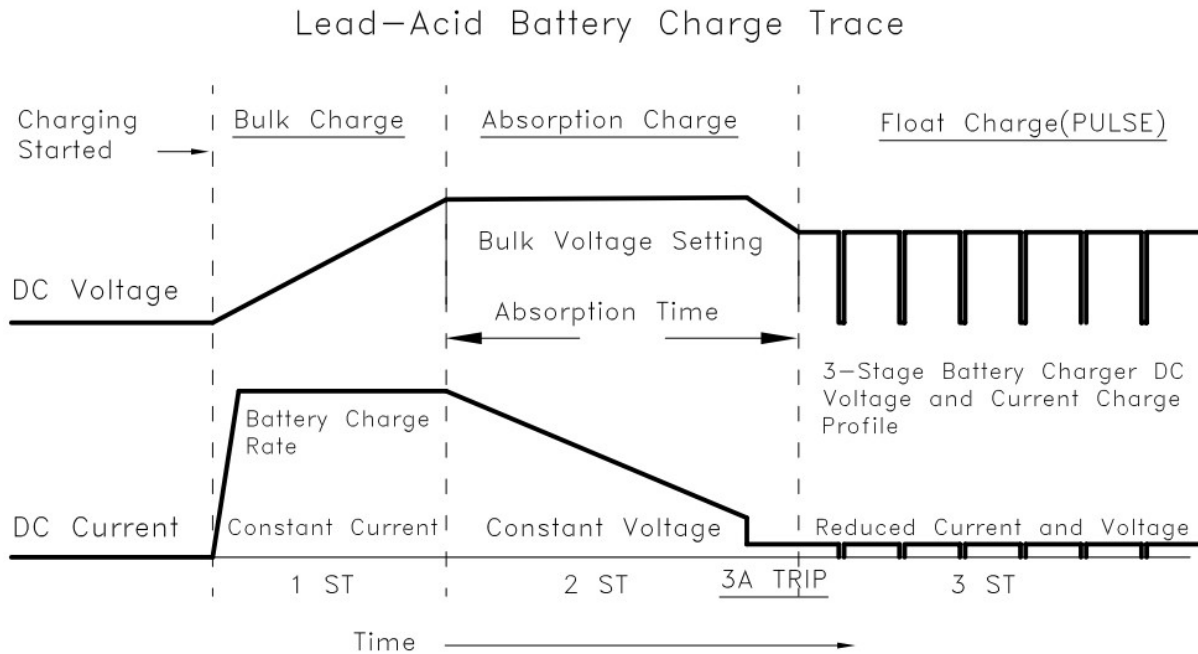


## Specification

### Model Name : AC 5012

Input Voltage	115 or 230Vac by order specific
Input Frequency	47 ~ 63Hz
Max. In-rush Current	Cold start , 90A for 115Vac , 150A for 230Vac
Input Current	14.06A Max for 115Vac 7.03A Max for 230Vac
Output Voltage ( by order specific )	14.6Vdc $\pm$ 0.2V ( Absorption Charge ) 13.7Vdc $\pm$ 0.2V ( Float Charge )
Start Point of Floating (by order specific )	3.0A $\pm$ 0.2A
Max. Charging Current	50A
Ripple / Noise	500mVp-p
FAN Control	Fan on running fast ( Bulk / Absorption Charge ) Fan on running slow ( Float Charge )
LED Indication	LED1 : Green $\rightarrow$ Power on LED2 : Orange $\rightarrow$ Charging Off $\rightarrow$ Charged
Dimension	410.4 x 204 x 85 mm

## Three Step of Charging & Charge Curve



**Step 1 : Bulk charge** – bring batteries to 75% capacity fast.

During this stage charging occurs at full power, which means maximum current, until the battery voltage reached the set limit.

**Step 2 : Absorption Charge, boost** – slow the current flow, adjusting for maximum efficiency and gently topping off batteries.

During absorption charging the current decreases as the battery approached full charge.

**Step 3 : Trickle Charge** – for longer period, maintains fully charged batteries without harmful effects of over charging & cooking.

Trickle charge is intended to keep the battery in a fully charged state and compensates for self-discharge. When the current reaches setting point the battery switches to a maintenance charge at a constant voltage. Should the battery be in use and the charge current Subsequently exceed setting point the charger will automatically return to the beginning of the three steps charge characteristic.

### Body View



### Front Panel



### Rear Panel



見福科技 CO. LTD. DWG: AC5012 製圖 葉貫信 日期 09.10.21 審核

