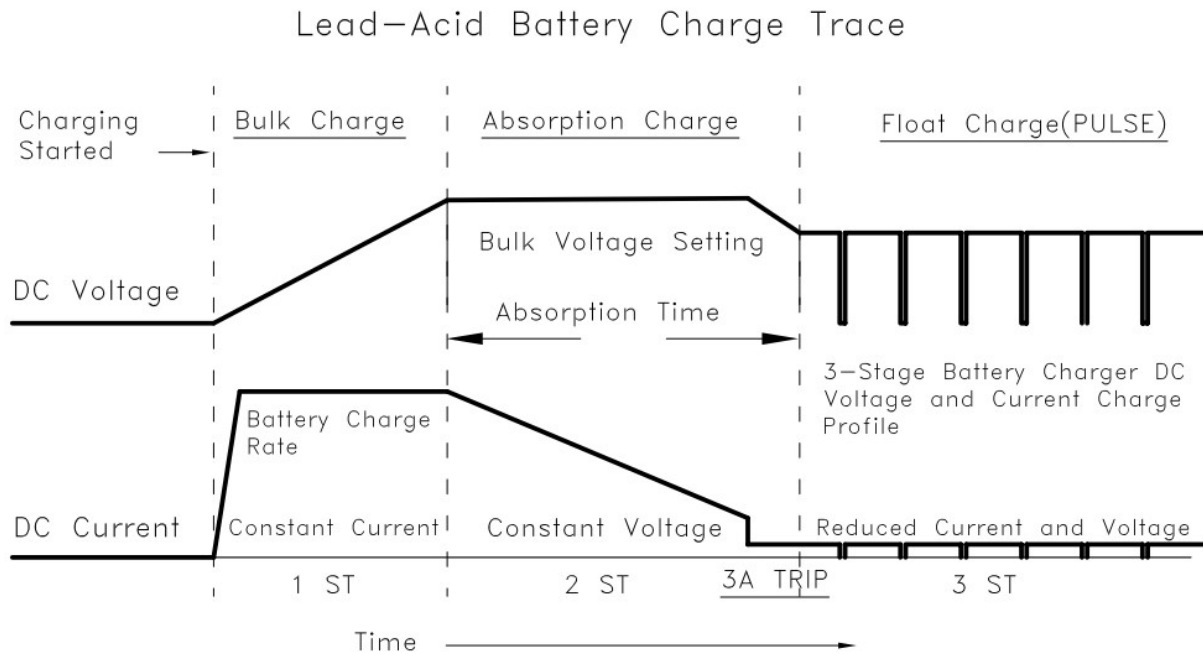


## Specification of AC 1212

Input Voltage	115 or 230Vac ( by order specific )
Input Frequency	47 ~ 63Hz
Max. In-rush Current	Cold start , 76A for 115Vac , 40A for 230Vac
Input Current	9.0 A Max for 115Vac 4.5 A Max for 230Vac
Output Voltage ( can specific )	14.6 Vdc $\pm$ 0.2V ( Absorption Charge ) 13.7 Vdc $\pm$ 0.2V ( Float Charge )
Start Point of Floating ( can specific )	1.5A $\pm$ 0.2A
Max. Charging Current	12A
Operate Temperature	0 – 50 Degree C
Ripple / Noise	500mVp-p
FAN Control	Fan on Fast running ( Bulk / Absorption Charge ) Fan on slow running ( Float Charge )
AC Cord	2C, 18AWG, length1.8M with Euro Plug
DC Cord	16AWG, Length 1.0M Mount Clips
LED Indication	LED1 : Green $\rightarrow$ Power on LED2 : Orange $\rightarrow$ Charging Off $\rightarrow$ Charged
Dimension	238.4 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-step charge characteristic.

**Body View :**



**Front Panel :**



**Rear Panel :**



