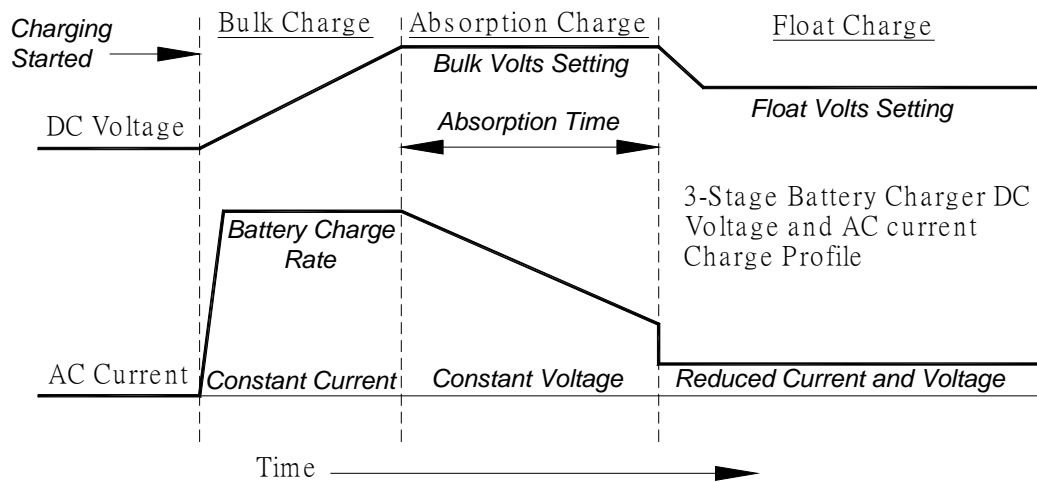


## Specification

**Model Name : AC 2036A**

Input Voltage	110V / 220V auto switch
Input Frequency	47 ~ 63Hz
Max. In-rush Current	Cold start , 90A for 115Vac ; 130A for 230Vac
Input Current	14A Max for 115Vac 7A Max for 230Vac
Output Voltage	43.8Vdc $\pm$ 0.2V ( Absorption Charge ) 41.1Vdc $\pm$ 0.2V ( Float Charge )
Start Point of Floating	2.9A $\pm$ 0.2A
Max. Charging Current	20A
Ripple / Noise	500mVp-p
FAN Control	Fan on Fast Speed ( Heavy Load ) Fan on Slow Speed ( Slight Load )
LED Indication	LED1 : Green $\rightarrow$ Power on LED2 : Orange $\rightarrow$ Charging Off $\rightarrow$ Charged
Dimensions	9.56 inch / 243 mm $\rightarrow$ Length 7.32 inch / 186 mm $\rightarrow$ Width 6.42 inch / 163 mm $\rightarrow$ Height
Net Weight	4.5 Kgs
DC Cable	12AWG / 2C / 1.05M / Mount Clips
AC Cable	UK type with mount 3A Fuse

## 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.

Front Panel



Rear Panel



Case Drawing

