



Intelligent Lead-Acid Battery Charger

Microprocessor Control - 5 section charger.

MODELS

12V/4A

24V/2A

36V/2A

48V/1A

- ΔV , Negative Delta Voltage, for Battery re-survive.

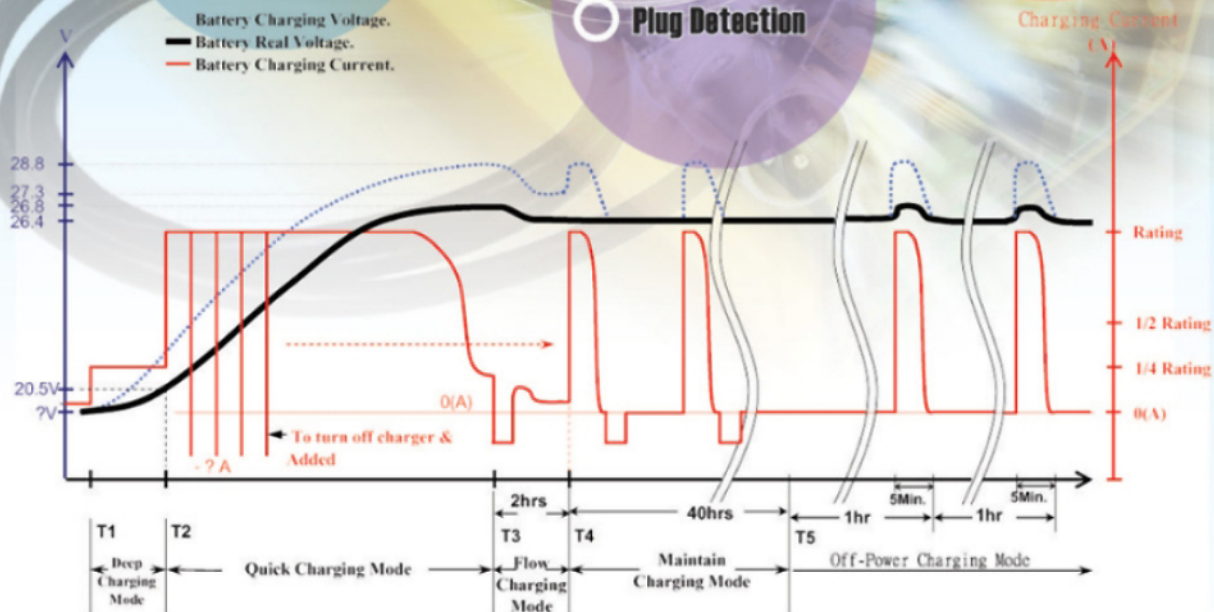
Deep Charge Battery Detection

Battery Capacity Display

Full-Range Input

Off-power Plug Charge & Maintain charge Function.

Plug Detection



- T1 : Check Battery Level $\leq 20.5V$ go to Deep Charging Mode
 $> 20.5V$ go to Quick Charging Mode
- T2 : Started to Quick Charging Mode
- T3 : Changed to Maintain Charging Mode, when charging current below 1/2 rating current.
- T4 : - ΔV , Negative Delta Voltage Charge Mode for Battery re-survive.
- T5 : Maintain Mode: Changed charge voltage from 28.8V to 27.2V & 5 min. Quick Charging per hour.

Specification and Mechanical Dimension

Model	Volts/Amps	I/P	Dimension L*W*H (mm)
QQE048-4CH36	12V/4A	3PIN	155*87.5*50
QQE048-3CH02	24V/2A	3PIN	155*87.5*50
QQE072-4CH33	36V/2A	3PIN	155*87.5*50
QQE048-4CH37	48V/1A	3PIN	155*87.5*50


Charger specification and operation instruction

1. Specifications :

- Input voltage : 90Vac-264Vac 47Hz-63Hz
- Output Charge Voltage : 12V/4A is applied for under 12V/36Ah Lead-Acid Battery
24V/2A is applied for under 24V/21Ah Lead-Acid Battery
36V/2A is applied for under 36V/2Ah Lead-Acid Battery
48V/1A is applied for under 48V/1Ah Lead-Acid Battery
- Over-Voltage Protection, Polarity Inversion Protection.

2. Feature & Operation :



- <1>. Input Outlet : as Standard IEC 320
- <2>. Charger & Battery status Indicator :
 1. Power on, Dead Battery or Battery Disconnected : LED continuous Light.
 2. Deep charge Mode : LED Flashing two times.
 3. Fast charge Mode : LED Blinking Fast at 0.5(s).
 4. Flow charge Mode : LED Flashing at 2(s).
 5. Maintain charge Mode : LED Blinking fast by 4 times.
 6. Storage Charge Mode : LED Blinking slowing at 5(s)
- <3>. Battery Capacity Level Indicator : with AC, display the battery's status. Without AC, Detect source (Vac) out of the charger.
- <4>. Output cord : 

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