



# Microprocessor control for Ni-Mh Battery Charger

## MODELS

48V/10A

48V/20A

48V/25A

Full-Range Input

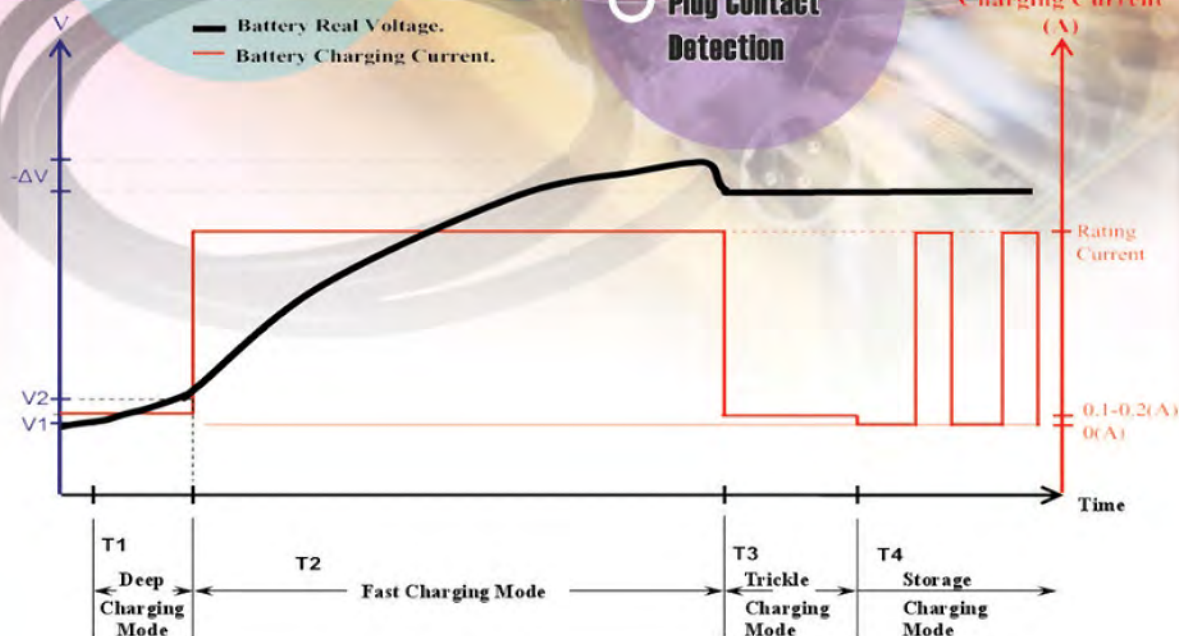
Deep Discharge  
Battery Protection

Battery Capacity  
Display

$-\Delta V$   
Timer Control  
Thermal Detection

Storage Charge Mode  
Pulse Charge by  
Power Off

Plug Contact  
Detection



- T1 : Check Battery Level, into Deep Charging Mode
- T2 : Started to Fast Charging Mode, Display Battery Capacity
- T3 : Trickle Charging Mode
- T4 : Storage Charging Mode, Turn off the power and charge small current by a period of time

# Specification and Mechanical Dimension

Model	Volts/Amps	Battery	Dimension L*W*H (mm)
QQE480-4CH51	48V/10A	48V/50-100Ah	(Aluminum Case) 160*100*50
QQE960-4CH35	48V/20A	48V/75-200Ah	(Aluminum Case) 160*100*50
QQE1200-5CH07	48V/25A	48V/100-200Ah	(Aluminum Case) 160*100*50

## Feature & Operation

<1>.Input Fuse : 48V/10A, 48V/20A, 48V/25A

<2>.Input : Inlet as Standard IEC 320

<3>.Input Voltage Selection : Set proper voltage before operation.

<4>.power On/Off : press I, power on.  
press O, power off.

<5>.Heat Spread Hole : Make sure no stuff & in good air condition.



<6>.Fan : Use long-life Ball-Bearing Fan check that the FAN work on. Don't be distributed by any stuff.

<7>.Charger & Battery status Indicator:

- 1.Power on, Dead Battery or Battery Disconnected: LED continuous Light.
- 2.Deep charge Mode: LED Flashing two times, Stop at 2s.
- 3.Fast charge Mode: LED Blinking Fast at 0.5(s).
- 4.Trickle charge Mode: LED Flashing at 2(s).
- 5.Storage Charge Mode: LED Blinking slowing at 5(s).

<8>.Output Fuse : Prevent DC Output Plug Reversal.  
250V/6.3A

<9>.Output cord :



<10>.Battery Capacity Level Indicator :

With AC, display the battery's Capacity of Charging.  
Without AC, Indicated Battery Capacity.



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