Advanced Power Solutions

Control No.	EDBD 160214-003

Panasonic

14.Feb.2016

Specification

Product Name : Ni-MH Battery Charger

Model Number : BQ-CC55E,BQ-CC55U

Receipt Signature

Panasonic Corporation
Automotive & Industrial Systems Company
Energy Device Business Division

Approved	Drawn
M. Shirakawa	Y. Hashimoto

Panasonic Corporation

Ni-MH Charger Specification	Approved	Drawn
	M.Shirakawa	Y.Hashimoto

1. Model Name/Number
   1-1 Model Name
   1-2 Model Number

Ni-MH Battery Charger
BQ－CC55E, BQ-CC55U

2. Scope

This product is a battery charger for AA and AAA size Ni-MH batteries. This battery charger can charge up to four AA size and four AAA size. The quick diagnosis in Approx.3 seconds at charging start selects suitable charging method by battery voltage and temperature.

3. Applicable Standard

- CB (IEC60335-1, IEC60335-2-29)
- EMF (EN62233:2008) - CE-EMC, CE-LVD, CE-RoHS
- EMC (EN55014-1,-2) (IEC61000-3-2,3) (IEC61000-4-2,3,4,5,6,11)
- Panasonic standard PCSS/MIS
- Panasonic Group "Chemical Substances Management Rank Guidelines"

4. Appearance, Size, etc.

4-1. Appearance, Size

Approx 68×120×28mm（ except AC plug）

4-2. Mass

Approx. 124 g (BQ-CC55E), 132g (BQ-CC55U)

4-3. Flame Retardant

Flame retardant of case and PCB material should be UL94V-0 or higher.

5. Applicable battery, Charging time

Type	Size	Battery number (Example)	Capacity (Minimum)	Charging time (Approximately)	
				1－2 pcs	3－4 pcs
Ni-MH	単3 AA	BK-3HLC BK-3HCC	2450～2500mAh	Approx.100 min	Approx. 200 min
		BK-3MLE BK-3MCC	1900～1950mAh	Approx. 80 min	Approx. 160 min
		BK-3LLB BK-3LCC	950~1000mAh	Approx. 40 min	Approx. 80 min

Type	Size	Battery number (Example)	Capacity (Minimum)	Charging time (Approximately)	
				1－2 pcs	3－4 pcs
Ni-MH	単4 AAA	BK-4HLC BK-4HCC	900～930mAh	Approx. 104 min	Approx. 208 min
		BK-4MLE BK-4MCC	750～780mAh	Approx. 87 mm	Approx. 174 min
		BK-4LLB BK-4LCC	550～650mAh	Approx. 71 mm	Approx. 142 min

Electric characteristic

Characteristics are at input AC100V 50Hz, and at ambient temperature of 25±5℃ unless otherwise specified.

6-1 Input voltage range frequency

Input voltage range : ＡＣ１００～２４０Ｖ
Input power frequency : ５０／６０Ｈｚ
At above input conditions, there shall be no abnormalities.

6-2 Charging method

Multi-Scan charging method

Combinations Any combinations of 1～4 pieces AA size and 1～4 pieces AAA size (Total 4 pieces)

6-3 Charging current peak value

Size	Rapid Charging current
AA	Max. ３．２Ａ
AAA	Max. １．２Ａ

6-4 Charging current average value

Size	Rapid Charging current	
	1～2pcs	3～4pcs Same as from 4～3pcs to 2～1pcs
AA	Approx.1.5A	Approx.0.75A
AAA	Approx.0.55A	Approx.0.275A

6-5 Charge indication

Following statuses are indicated by 4 pieces LED (dual-color emission). And easily discernible under 300 lx conditions

Quick Diagnosis	Fast Blinking
Charging	① Red On
	② Orange On
	③ Green On
Charging completion	Off
NG mode	④ Red Slow Blinking
life end	⑤ Orange Slow Blinking

7. Operating Temperature Range

Operating Temperature Range : ０ ～ ３５℃

8. Storing Temperature and Humidity Range

Storing Temperature Range : －２０ ～ ５０℃

Storing Humidity Range : ０ ～ ６０％ RH
(These conditions are applied to charger unit and packing materials.)

9. Country of Origin

China

10. Efforts for Environment

The unit shall comply with RoHS regulation.