

Control No.

EDBD 160214-001



14.FEB.2016

## Specification

Product Name: Ni-MH Battery Charger

Model Number: BQ-CC51E.BQ-CC51U

Receipt Signature		

Panasonic Corporation Automotive & Industrial Systems Company Energy Device Business Division

Approved	Drawn	
M.Shirakawa	Y.Hashimoto	

Panasonic Corporation



12, Jan. 2016 1/2 Ni-MH Charger Drawn Approved Specification M.Shirakawa Y.Hashimoto Model Name/Number 1-1 Model Name Ni-MH Battery Charger 1-2 Model Number BQ-CC51 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.

And this charger has a charging indication two LEDs and a protection timer. -CB (IEC60335-1, IEC60335-2-29) 3. Applicable Standard ·EMF (EN62233:2008) ·CE-LVD ·CE-EMC ·CE-RoHS ·Panasonic standard PCSS/MIS 'Panasonic Group "Chemical Substances Management Rank Guidelines" 4. Appearance, Size, etc. Approx. 66 × 108 × 27.5 mm (except AC plug) 4-1. Appearance, Size Approx. 100g (BQ-CC51E).108g (BQ-CC51U) 4-2. Mass

5. Applicable battery, Charging time

4-3. Flame Retardant

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

Type Size	Battery number	Capacity	Charging time (Approximately) 2,4 pcs	
Type Size		(Example)		
Ni-MH ≢3 AA	BK-3HLB BK-3HCC	2400 ~ 2500mAh	Approx.720min	
	BK-3MLE BK-3MCC	1900 ~ 2000mAh	Approx.600min	
	BK-3LLE BK-3LCC	950 ~ 1000mAh	Approx.320min	

Туре	Size	Battery number	Capacity	Charging time (Approximately)	
Type Size		(Example)	(Minimum)	2,4 pcs	
		BK-4HLB BK-4HCC	900 ~ 950mAh	Approx.700min	
Ni-MH ₽4 AAA	BK-4MLE BK-4MCC	750 ∼ 800mAh	Approx.600min		
	BK-4LLE BK-4LCC	550 ∼ 650m¤h	Approx.480min		

6. Electric characteristic

Characteristics are at input AC240V 50Hz and at ambient temperature of 25 ± 5°C 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 current (Average value) Charging current (average value), at battery voltage 1.5V, shall be as follows.

Size	Charging current	
単3/AA	Approx.200mA	
単4/AAA	Approx. 80mA	

6-3. Charging timer

Charging current is stopped by timer. Timer time shall be as follows.

Timer time	Approx.13 hour
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6-4. Indication

Following charging status are shown by 2 piece green color LED.

And easily discernible under 300 lx conditions.

Charging	Consecutive ON	
Finish	OFF	
Abnormal battery	FLASH(keeping)	

6-5. Input wattage and current (Average value) The input wattage and current shall be as follows at 4 AA charging, battery voltage 1.5V, and at no load.

Output	Output Input wattage	
AA x 4 pieces	Approx 2.9W (240V)	Approx.60mA (100V) Approx.36mA (240V)
No Load	Less than 0.4W	

7 . Operating Temperature Range Operating Temperature Range: 0 ~ 40°C

 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

1 O. Efforts for Environment The unit shall comply with RoHS regulation.