

**Panasonic**

14.Feb.2016

## Specification

Product Name : Ni-MH Battery Charger

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Model Number : BQ-CC55E, BQ-CC55U

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Receipt Signature

Panasonic Corporation  
Automotive & Industrial Systems Company  
Energy Device Business Division

Approved	Drawn
M. Shirakawa	Y. Hashimoto

Ni-MH Charger Specification		Approved	Drawn																																												
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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	<ul style="list-style-type: none"> <li>·CB (IEC60335-1, IEC60335-2-29)</li> <li>·EMF (EN62233:2008) ·CE-EMC, CE-LVD, CE-RoHS</li> <li>·EMC (EN55014-1,-2) (IEC61000-3-2,3) (IEC61000-4-2,3,4,5,6,11)</li> <li>·Panasonic standard PCSS/MIS</li> <li>·Panasonic Group "Chemical Substances Management Rank Guidelines"</li> </ul>																																														
4. Appearance, Size, etc.																																															
4-1. Appearance, Size	Approx 68 × 120 × 28 mm ( 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	<table border="1"> <thead> <tr> <th rowspan="2">Type</th> <th rowspan="2">Size</th> <th rowspan="2">Battery number (Example)</th> <th rowspan="2">Capacity (Minimum)</th> <th colspan="2">Charging time (Approximately)</th> </tr> <tr> <th>1 – 2 pcs</th> <th>3 – 4 pcs</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Ni-MH</td> <td rowspan="3">単3 AA</td> <td>BK-3HLC BK-3HCC</td> <td>2450 ~ 2500mAh</td> <td>Approx. 100 min</td> <td>Approx. 200 min</td> </tr> <tr> <td>BK-3MLE BK-3MCC</td> <td>1900 ~ 1950mAh</td> <td>Approx. 80 min</td> <td>Approx. 160 min</td> </tr> <tr> <td>BK-3LLB BK-3LCC</td> <td>950~ 1000mAh</td> <td>Approx. 40 min</td> <td>Approx. 80 min</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th rowspan="2">Type</th> <th rowspan="2">Size</th> <th rowspan="2">Battery number (Example)</th> <th rowspan="2">Capacity (Minimum)</th> <th colspan="2">Charging time (Approximately)</th> </tr> <tr> <th>1 – 2 pcs</th> <th>3 – 4 pcs</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Ni-MH</td> <td rowspan="3">単4 AAA</td> <td>BK-4HLC BK-4HCC</td> <td>900 ~ 930mAh</td> <td>Approx. 104 min</td> <td>Approx. 208 min</td> </tr> <tr> <td>BK-4MLE BK-4MCC</td> <td>750 ~ 780mAh</td> <td>Approx. 87 min</td> <td>Approx. 174 min</td> </tr> <tr> <td>BK-4LLB BK-4LCC</td> <td>550 ~ 650mAh</td> <td>Approx. 71 min</td> <td>Approx. 142 min</td> </tr> </tbody> </table>			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 min	Approx. 174 min	BK-4LLB BK-4LCC	550 ~ 650mAh	Approx. 71 min	Approx. 142 min
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Electric characteristic	Characteristics are at input AC100V 50Hz, and at ambient temperature of $25 \pm 5^{\circ}\text{C}$ unless otherwise specified.													
6- 1 Input voltage range frequency	Input voltage range : A C 1 0 0 ~ 2 4 0 V Input power frequency : 5 0 / 6 0 H z 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	<table border="1" data-bbox="512 640 1350 741"> <thead> <tr> <th>Size</th> <th colspan="2">Rapid Charging current</th> </tr> </thead> <tbody> <tr> <td>AA</td> <td colspan="2">Max. 3. 2 A</td> </tr> <tr> <td>AAA</td> <td colspan="2">Max. 1. 2 A</td> </tr> </tbody> </table>		Size	Rapid Charging current		AA	Max. 3. 2 A		AAA	Max. 1. 2 A				
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6-5 Charge indication	<p>Following statuses are indicated by 4 pieces LED(dual-color emission). And easily discernible under 300 lx conditions</p> <table border="1" data-bbox="533 1095 1430 1361"> <thead> <tr> <th>Quick Diagnosis</th> <th>Fast Blinking</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Charging</td> <td>① Red On</td> </tr> <tr> <td>② Orange On</td> </tr> <tr> <td>③ Green On</td> </tr> <tr> <td>Charging completion</td> <td>Off</td> </tr> <tr> <td>NG mode</td> <td>④ Red Slow Blinking</td> </tr> <tr> <td>life end</td> <td>⑤ Orange Slow Blinking</td> </tr> </tbody> </table>		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
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7. Operating Temperature Range	Operating Temperature Range : 0 ~ 3 5 °C													
8. Storing Temperature and Humidity Range	Storing Temperature Range : - 2 0 ~ 5 0 °C Storing Humidity Range : 0 ~ 6 0 % RH (These conditions are applied to charger unit and packing materials.)													
9. Country of Origin	China													
1 0. Efforts for Environment	The unit shall comply to RoHS regulation.													