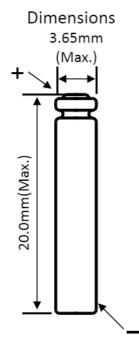
# **Panasonic**

### **CG-320A**

# **Pin-type Li-ion Battery**







- \* Panasonic offers batteries with tabs or lead wires.
- For more information, please ask Panasonic sales person.

#### Features & Benefits

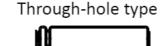
- A 3.6mm diameter pin-shaped Lithium-ion battery which expands design options for micro devices.
- A rechargeable battery that can be used repeatedly and has the output capability required for Near Field Communications.
- · A high-strength metal exterior case provides excellent reliability.

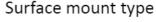
### **Specifications**

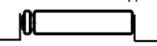
Part number		CG-320A
Maximum charge voltage		4.35V
Nominal Voltage		3.8V
Nominal Capacity <sup>*</sup>		15.0mAh
Dimensions	Diameter(Max.)	3.65mm
	Height(Max.)	20.0mm
Weight (without tabs)		Approx. 0.6g
Operating Temperature	Charge	0°C to +45°C
	Discharge	-10°C to +60°C
Maximum charge current		11.2mA(0.75C)

 $<sup>^{*}</sup>$  When the battery is discharged at 3.0mA(0.2C). Nominal capacity becomes 13mAh when charge voltage is 4.2V.

### **Terminal types**







**Applications** \* All models have stainless steel tab with tin (Sn) plating.



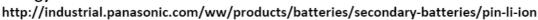




As of April, 2016. The contents of this product information is subject to change without notice.

### Please visit our website at:

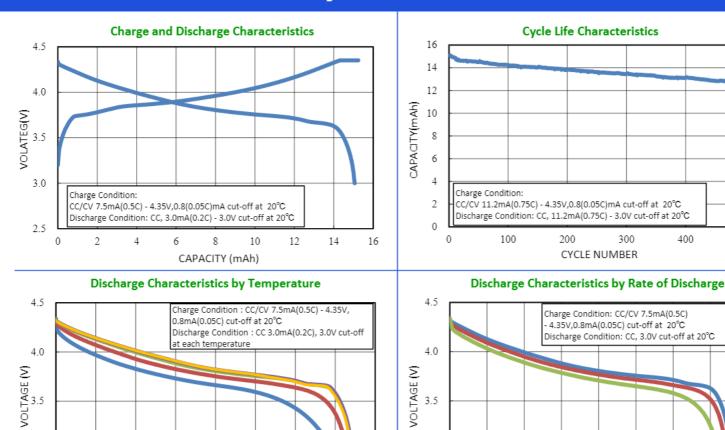
Panasonic Corporation, Automotive & Industrial Systems Company, Energy Device Business Division





<sup>\*\*</sup> Certified by UL1642 and IEC62133.

# **Battery Characteristics**



This data in this document is for descriptive purposes only and is not intended to make or imply any guarantee or warranty.

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3.0

2.5

3.0mA(0.2C)

7.5mA(0.5C)

CAPACITY (mAh)

15.0mA(1.0C)

# **Handling Guidelines**

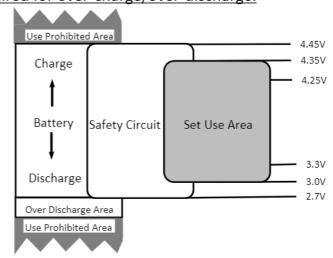
Standard Voltage Range is 3.0 - 4.35V. Protection required for over-charge/over-discharge.

60°C

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Standard Voltage Range	3.0~4.35V	
Do not over-charge	Stop charging at 4.45±0.05V	
	Allow charging again at less than 4.25±0.05V	
Do not over-discharge	Stop discharge at 2.7±0.1V	
	Allow discharging again at more than 3.3±0.1V	
Over Current Protection	Stop discharge in the case of an output connection short circuit.	

CAPACITY (mAh)



500

16

#### Other

3.0

2.5

10°C

- -Please inquire about our recommended IC and settings if technical support is required.
- -In order to prevent accidental ingestion of the battery, it must be inaccessible to the individual user / customer and will be shipped with lead wires or tabs.

Please feel free to ask a Panasonic sales person.