

* Panasonic offers batteries with tabs. For more information, please ask Panasonic sales person.

Features & Benefits

- A small and slim pin-shaped Lithium-ion battery which expands design options for micro devices.
- A high-strength metal exterior case provides excellent reliability.
- Rapid charging makes your portable devices more user-friendly.

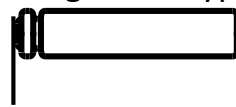
Specifications

Part number		CG-420A
Maximum charging voltage		4.35V
Nominal Voltage		3.8V
Typical Capacity		23.0mAh
Rated Capacity		22.0mAh
Dimensions*	Diameter(Max.)	4.7mm
	Height(Max.)	20.0mm
Weight*		Approx. 0.8g
Operating Temperature	Charge	0°C to +60°C
	Discharge	-20°C to +60°C
Maximum continuous discharging current		44.0mA(2C)
Maximum charging current		66.0mA(3C)
Certifications		IEC62133, UL1642

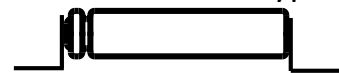
* Without tabs.

Terminal types

Through-hole type

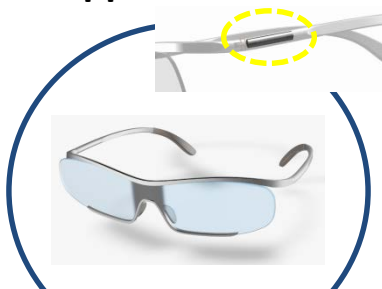


Surface mount type



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

Applications



Smart Glasses



Wristband Device



Stylus Pen

As of September, 2020. The contents of this product information are subject to change without notice.

Please visit our website at:

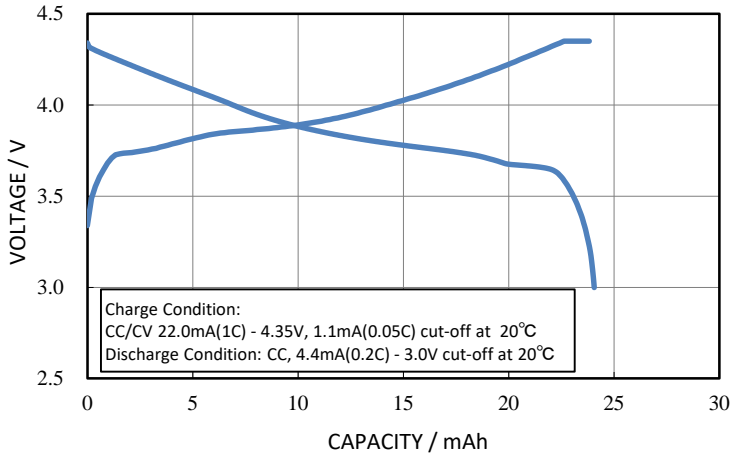
Panasonic Corporation

<https://industrial.panasonic.com/ww/products/batteries/secondary-batteries/pin-li-ion>

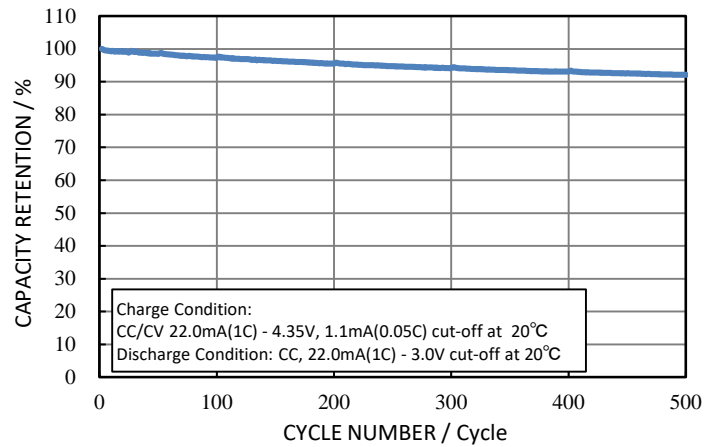


Battery Characteristics

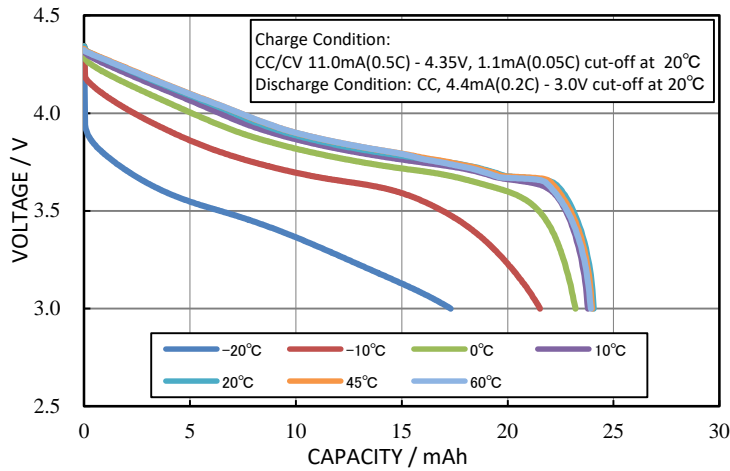
Charge and Discharge Characteristics



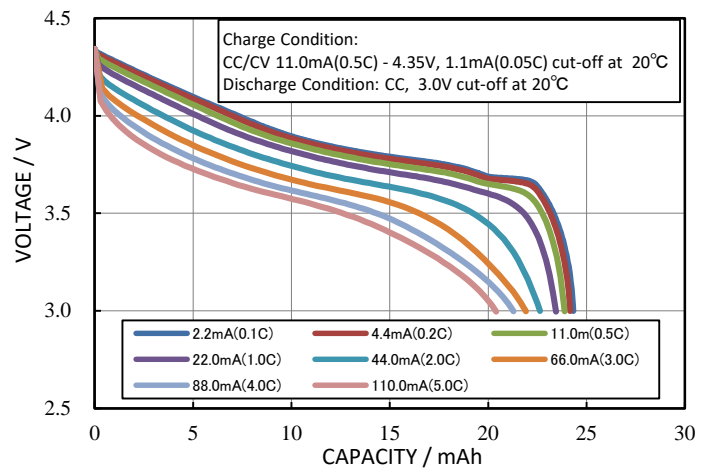
Cycle Life Characteristics



Discharge Characteristics by Temperature



Discharge Characteristics by Rate of Discharge



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

Handling Guidelines

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

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

2. In order to prevent accidental ingestion of the battery, it must be inaccessible to the individual user / customer.

The battery will be shipped with tabs.
Please attach the battery to the device.

Please feel free to ask a Panasonic sales person.