

## 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-425A
Maximum charging voltage		4.35V
Nominal Voltage		3.8V
Typical Capacity		32.0mAh
Rated Capacity		30.0mAh
Dimensions*	Diameter(Max.)	4.7mm
	Height(Max.)	25.0mm
Weight*		Approx. 1.0g
Operating Temperature	Charge	0°C to +60°C
	Discharge	-20°C to +60°C
Maximum continuous discharging current		60.0mA(2C)
Maximum charging current		90.0mA(3C)
Certifications		IEC62133, UL1642

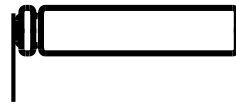
\* Without tabs.

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

## Terminal types

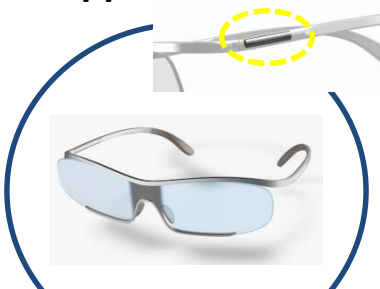
Through-hole type

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:

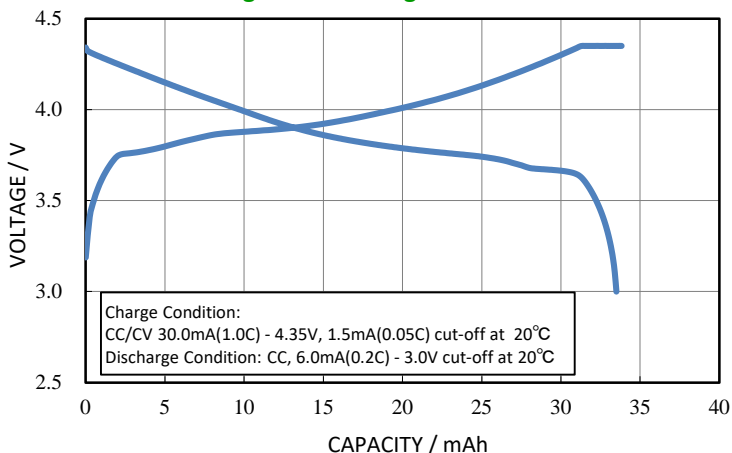
Panasonic Corporation

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

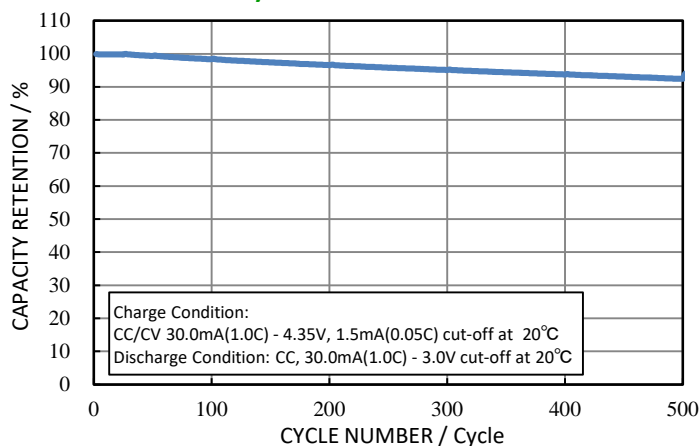


# Battery Characteristics

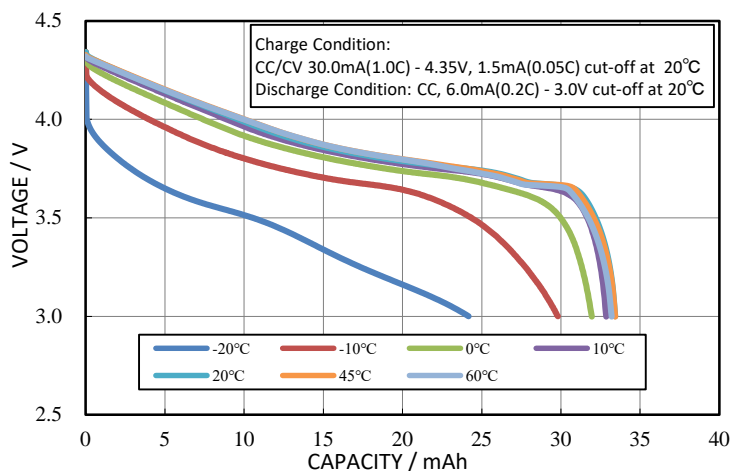
Charge and Discharge Characteristics



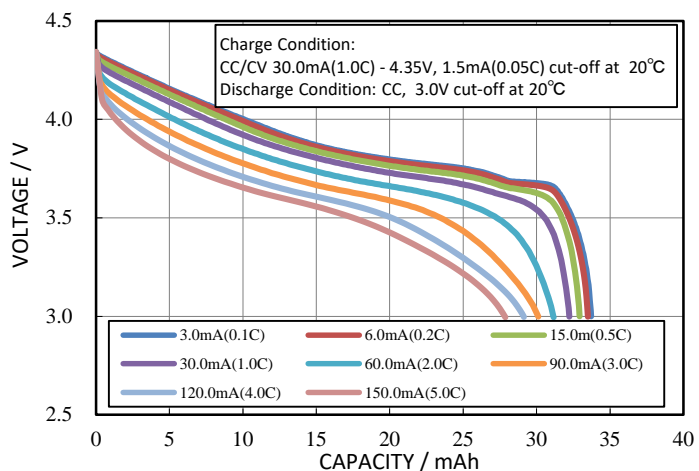
Cycle Life Characteristics



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±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.

### 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.