

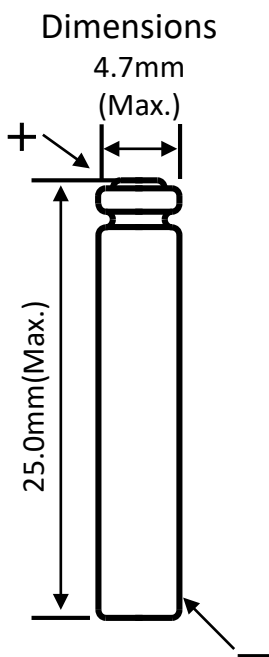


## Features & Benefits

- A small and slim 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

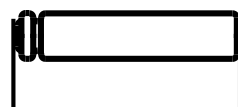
Part number		CG-425A
Maximum charge voltage		4.35V
Nominal Voltage		3.8V
Typical Capacity		32.0mAh
Rated Capacity		30.0mAh
Dimensions	Diameter(Max.)	4.7mm
	Height(Max.)	25.0mm
Weight (without tabs)		Approx. 1.0g
Operating Temperature	Charge	0°C to +60°C
	Discharge	-20°C to +60°C
Maximum charge current		90.0mA(3C)



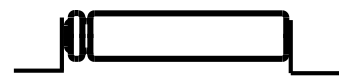
\* Panasonic offers batteries with tabs or lead wires.  
For more information, please ask Panasonic sales person.

## Terminal types

Through-hole type



Surface mount type



As Of September, 2018

## Applications

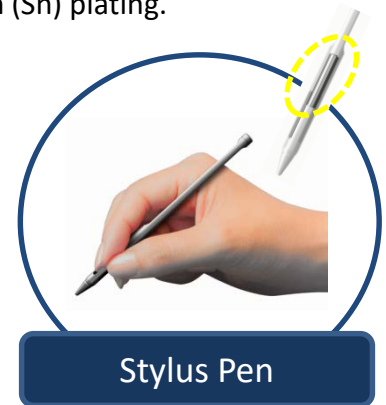


Smart Glasses

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



Wristband Device



Stylus Pen

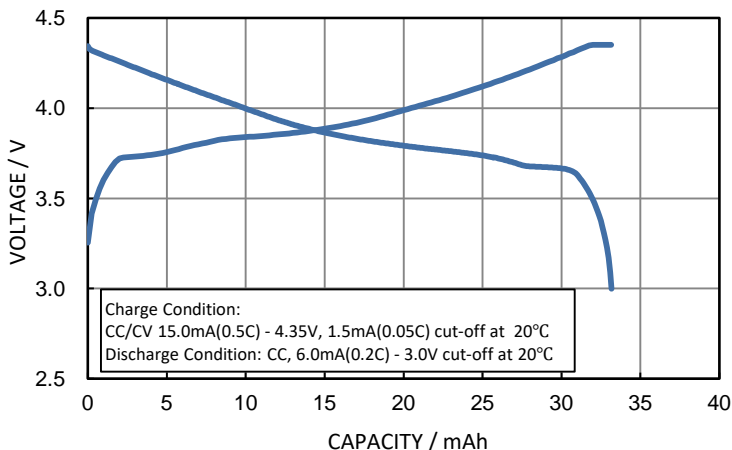
As of January, 2018. The contents of this product information are subject to change without notice.

Please visit our website at:

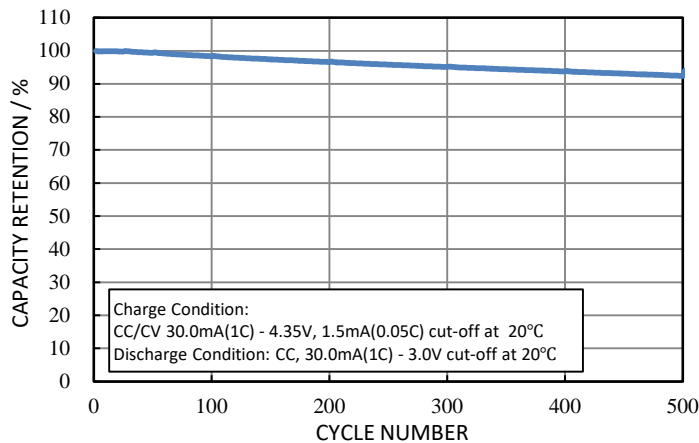
<https://na.industrial.panasonic.com/products/batteries/rechargeable-batteries/pin-type-lithium-ion> or call 1-877-726-2228

# Battery Characteristics

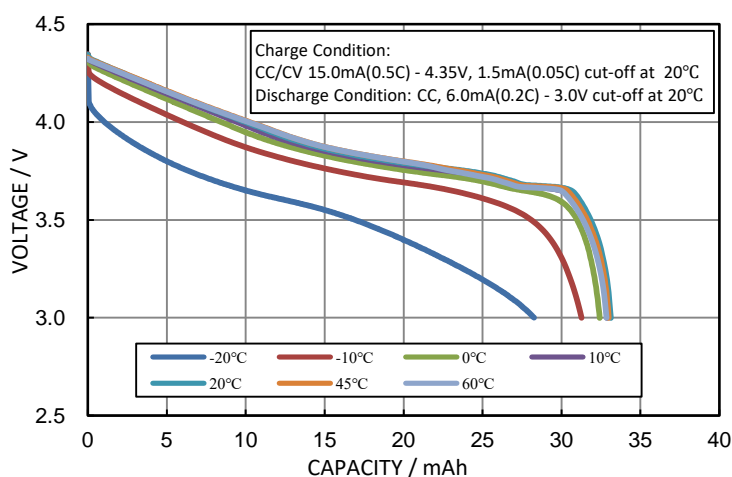
Charge and Discharge Characteristics



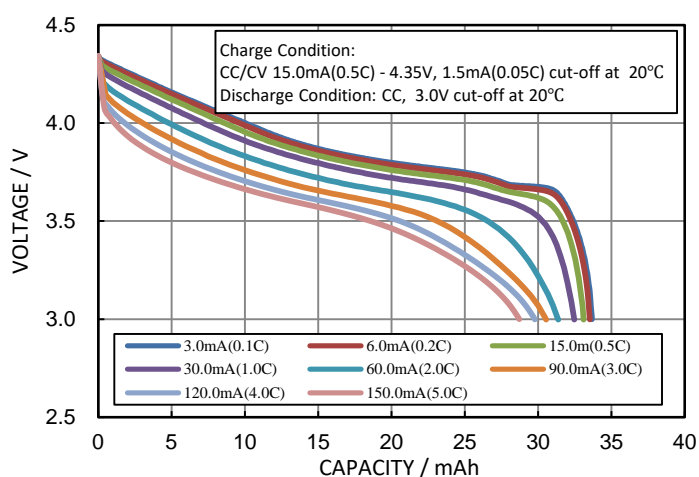
Cycle Life Characteristics



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.

As Of September, 2018

## 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 lead wires or tabs.  
Please attach the battery to the device.

Please feel free to ask a Panasonic sales person.