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℃ to +60℃
Discharge -20℃ to +60℃

Maximum charging current 90.0mA(3C)

Certifications IEC62133, UL1642

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

<table>
<thead>
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<td>Certifications</td>
<td>IEC62133, UL1642</td>
</tr>
</tbody>
</table>

Terminal types
- Through-hole type
- Surface mount type

Applications
- Smart Glasses
- Wristband Device
- Stylus Pen

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

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

As of December, 2019. The contents of this product information are subject to change without notice.

Please visit our website at:
Panasonic Corporation
**Battery Characteristics**

**Charge and Discharge Characteristics**

- **Charge Condition:** CC/CV 30.0mA(1.0C) - 4.35V, 1.5mA(0.05C) cut-off at 20℃
- **Discharge Condition:** CC, 6.0mA(0.2C) - 3.0V cut-off at 20℃

**Cycle Life Characteristics**

- **Charge Condition:** CC/CV 30.0mA(1.0C) - 4.35V, 1.5mA(0.05C) cut-off at 20℃
- **Discharge Condition:** CC, 3.0mA(0.1C) - 3.0V cut-off at 20℃

**Discharge Characteristics by Temperature**

- **Charge Condition:** CC/CV 30.0mA(1.0C) - 4.35V, 1.5mA(0.05C) cut-off at 20℃
- **Discharge Condition:** CC, 6.0mA(0.2C) - 3.0V cut-off at 20℃

**Discharge Characteristics by Rate of Discharge**

- **Charge Condition:** CC/CV 30.0mA(1.0C) - 4.35V, 1.5mA(0.05C) cut-off at 20℃
- **Discharge Condition:** CC, 3.0V cut-off at 20℃

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.**

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

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.