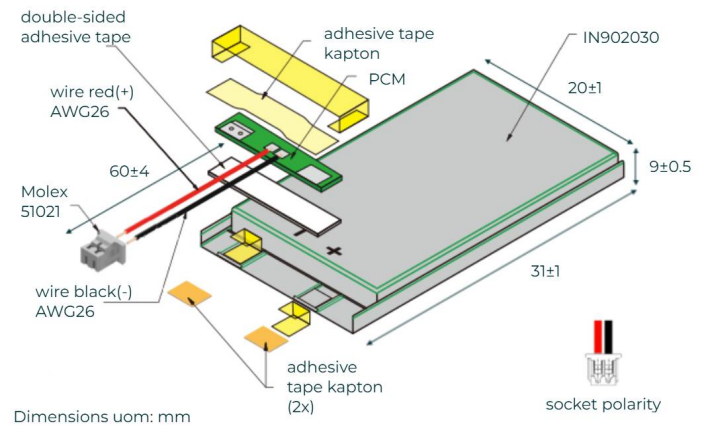


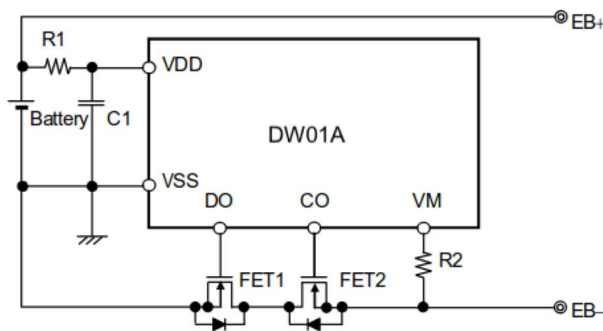
## Specifications

| ITEM                                 | VALUE    | REMARK       |
|--------------------------------------|----------|--------------|
| <b>Symbol:</b>                       | IN902030 |              |
| <b>Nominal Capacity:</b>             | 500mAh   | at 0.5C2A    |
| <b>Watt-hour Rating:</b>             | 1.85Wh   |              |
| <b>Nominal Voltage:</b>              | 3.7V     |              |
| <b>Energy Density (volumetric):</b>  | 332Wh/l  |              |
| <b>Energy Density (gravimetric):</b> | 197Wh/kg |              |
| <b>Internal Impedance:</b>           | < NonemΩ | AC 1kHz 4.2V |
| <b>Weight:</b>                       | ~9.4g    |              |

## Dimensions



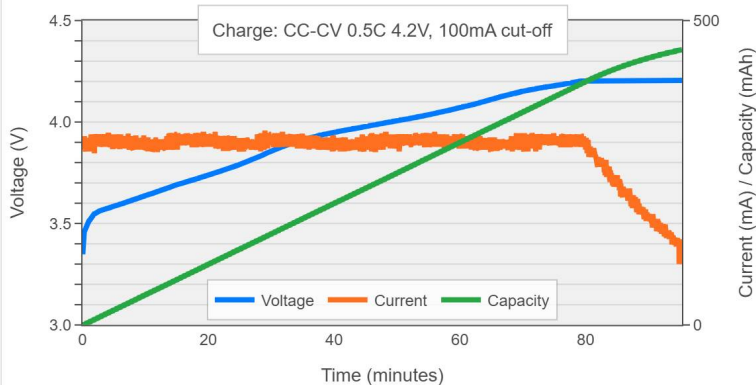
## PCM Specification: Circuit Diagram and Electrical Characteristics



| ITEM                                     | VALUE |
|------------------------------------------|-------|
| <b>Supply Current:</b>                   | 3.0μA |
| <b>Overcharge Protection Voltage:</b>    | 4.3V  |
| <b>Overcharge Release Voltage:</b>       | 4.1V  |
| <b>Overdischarge Protection Voltage:</b> | 2.4V  |
| <b>Overdischarge Release Voltage:</b>    | 3.0V  |
| <b>Overcurrent Protection Voltage:</b>   | 150mV |
| <b>Short Current Protection Voltage:</b> | 1.2V  |

## Charge Characteristic

| ITEM                              | VALUE                                                                  |
|-----------------------------------|------------------------------------------------------------------------|
| <b>Standard Charging Method:</b>  | 0.5C CC charge to 4.2V, then CV till charge current declines to <0.02C |
| <b>Standard Charging Current:</b> | 0.5C 250mA                                                             |
| <b>Max Charging Current:</b>      | 1.0C 500mA                                                             |
| <b>Standard Charging Time:</b>    | 2.5 ~ 3.5h                                                             |
| <b>Fast Charging Time:</b>        | 1.5 ~ 2.5h                                                             |
| <b>Charge End Voltage:</b>        | 4.2V                                                                   |
| <b>Charge Temperature</b>         | 0°C ~ +40°C                                                            |



## Discharge Characteristic

| ITEM                                | VALUE                     |
|-------------------------------------|---------------------------|
| <b>Standard Discharging Method:</b> | 0.5C CC discharge to 3.0V |
| <b>Max Discharging Current:</b>     | 1.0C 500mA                |
| <b>Discharge Cut-off Voltage:</b>   | 3.0V                      |
| <b>Discharge Temperature</b>        | -20°C ~ +60°C             |

