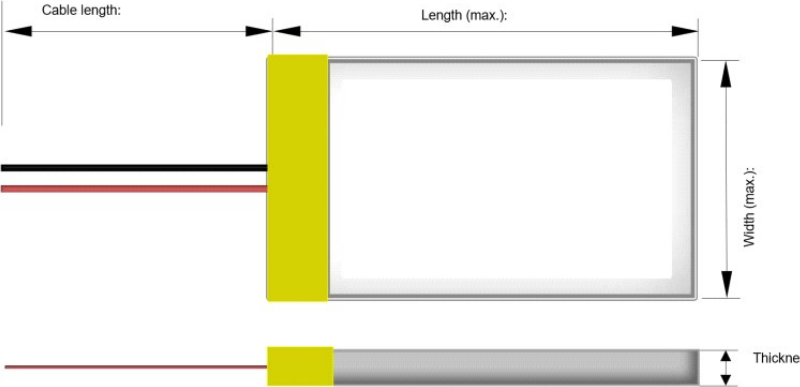


**Model:** PX612537 - 3.7V 500 mAh Battery - BMS

**Stock Code:** 900.869.503.342

| Item                              | Specifications               |         | Conditions                                                                                                                                                                                                                                                  |
|-----------------------------------|------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Capacity                    | Nominal                      | 510 mAh | Standard Charge : 0.2C<br>Standard Discharge : 0.2C                                                                                                                                                                                                         |
|                                   | Minimum                      | 500 mAh |                                                                                                                                                                                                                                                             |
| Nominal Voltage                   | 3.7V                         |         |                                                                                                                                                                                                                                                             |
| Voltage at the end of Discharge   | 2.75V                        |         | Discharge Cut-off Voltage                                                                                                                                                                                                                                   |
| Charging Voltage                  | 4.2V                         |         |                                                                                                                                                                                                                                                             |
| Internal Impedance                | ≤50mΩ                        |         | AAC 1KHZ after 50% charge                                                                                                                                                                                                                                   |
| Weight                            | 8 gr                         |         | approximately                                                                                                                                                                                                                                               |
| Standard Charge                   | 100 mA                       |         | Constant Current 0.2C<br>Constant Voltage 4.2V<br>0.01 C cut off - 10 - 45°C                                                                                                                                                                                |
| Standard Discharge                | 100 mA                       |         | Constant current 0.2C<br>end voltage3.0Vv<br>-10 - 60°C                                                                                                                                                                                                     |
| Max. Continuous Charge Current    | 250 mA                       |         | Constant Current 0.5C<br>Constant Voltage 4.2V                                                                                                                                                                                                              |
| Max. Continuous Discharge Current | 500 mA                       |         | Constant current 1.0C<br>end voltage 2.75V                                                                                                                                                                                                                  |
| Operation Temperature Range       | Charge: 0-45°C               |         | 60±25%R.H.                                                                                                                                                                                                                                                  |
|                                   | Discharge: -10-60°C          |         |                                                                                                                                                                                                                                                             |
| Storage Temperature Range         | Less than 1 year: -20-25°C   |         | 60±25%R.H.                                                                                                                                                                                                                                                  |
|                                   | Less than 3 months: -20-40°C |         |                                                                                                                                                                                                                                                             |
| Cycle Life                        | 500 Times                    |         | Higher than 70% of the Initial Capacities of the Cells<br>Carry out 500cycle<br>Charging/Discharging in the below condition.<br>◆Charge: Standard Charge<br>◆Discharge:0.5C to 2.75 V<br>◆Rest Time between charge /discharge:30min.<br>◆Temperature:20±5°C |

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| Item            | Specifications | Technical Drawing                                                                   |
|-----------------|----------------|-------------------------------------------------------------------------------------|
| Thickness       | 6.1mm±1mm      |  |
| Width           | 25.0mm±1mm     |                                                                                     |
| Length          | 37.0mm±1mm     |                                                                                     |
| Cable Length    | 100±3mm        |                                                                                     |
| Cable           |                |                                                                                     |
| Connector Model |                |                                                                                     |

| Item                                   | Specifications | Image                                                                                |
|----------------------------------------|----------------|--------------------------------------------------------------------------------------|
| Overcharge Detection Voltage           | 4.28V          |  |
| Overcharge Release Voltage             | 4.10V          |                                                                                      |
| Overdischarge Decetion Voltage         | 2.40V          |                                                                                      |
| Overdischarge Rel. Voltage             | 3.00V          |                                                                                      |
| OverCurrent Detection Charge Discharge | 1.5 A          |                                                                                      |