Specification

Lithium Polymer Battery Pack LP604260 2000mAh 3.7V with Protection Circuit Module (PCM)
This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack manufactured by LiPol Battery Co., Ltd - China

Mechanical Characteristics

Cell  ► LP604260
PCM  ► Yes
NTC  ► No
Configuration  ► 1S1P
Weight  ► approx. 40g
Connector  ► JST PHR-2

Electrical Specification

Rated Capacity  ► 1980mAh min, 2000mAh typ.
Nominal Voltage  ► 3.7V
Wat-Hour Rating  ► 7.4Wh
Max. Operating Voltage Range  ► 2.75V to 4.20V
Max. Charge Voltage  ► 4.2V ±50mV
Max. Charge Current  ► 1000mA
Max. Continuous Discharge Current  ► 2000mA
Discharge Cut Off  ► 2.75V
Internal Impedance  ► <200mΩ
Expected Cycle Life  ► 500 cycles ≥ 80%

Cell Protection

Overcharge Detection  ► 4.275 ±50mV (0.7 to 1.3sec. delay, release 4.275V ±50mV)
Overdischarge Detection  ► 2.75V ±50mV (14 to 26msec. delay, resume 2.50V ±50mV)
Overcurrent Detection  ► 4A to 4.5A (8 to 16msec. delay)

Ambient Conditions

Charge Temp. Range  ► 0 to +45°C
Discharge Temp. Range  ► -20 to +60°C
Storage Temp. Range  ► 1 year at -20 to +30°C >70%
Overcurrent Detection  ► 3 moths at -20 to +45°C >70%
Humidity  ► 3 months at -20 to +45°C >70%

Environmental and Safety

Please follow LiPol Handling and Safety Precautions for Lithium Polymer Battery. This battery meets the requirements of Battery Directives, and the battery parts are IEC 62133 & RoHS-Compliant. For more safety precautions and performance standards, please go to www.lipolbattery.com/support.html