

ICP622540PMT

Rechargeable Lithium Ion Polymer Battery Pack 3.7 V With Safety Circuit, **IEC62133 certified**

Renata TypeICP622540IEC DesignationICP072642Part Number100651Contact MethodWire AWG 26Safety CircuitYes with NTCNominal Capacity600 mAhMinimum Capacity600 mAhMinimum Capacity600 mAhMinimum Capacity600 mAhMinimum Capacity600 mAhMinimum Capacity600 mAhMinimum Capacity550 mAh(0.2C cut off 3.0 V at 20° C)1Internal Impedance< 220 mQ / 30% SOCThickness (1)Max 42.5 mmWidth (w)Max 25.7 mmWeight~ 11 gCharging CharacteristicCC/CV - Constant Current / Constant VoltageVoltage4.2 V CVCurrent Normal0.5 C CC - 300 mAMax. Charging Current1.0 C CC - 600 mATemperature at Charging0 °C 45 °CDischarge Characteristic2.0 C - 1200 mA (for non continues discharge)Cut off Voltage3.0 VMax Discharge Current2.0 °C 60 °CCycle Life at Room Temperature> 80% of minimum capacity after 500 cycles (0.5 C charge, 0.5 C discharge)Storage Temperature-20 °C 45 °C (0 °C 30 °C recommended in case of storage for more than 3 months)	Specifications	Dimensions
Part Number100651Contact MethodWire AWG 26Safety CircuitYes with NTCNominal Capacity600 mAhMinimum Capacity550 mAh(0.2C cut off 3.0 V at $20^{\circ}C$)1Internal Impedance< 220 mΩ / 30% SOC		
Contact MethodWire AWG 26 Yes with NTCNominal Voltage $3.7 V$ Nominal Capacity 600 mAh Minimum Capacity 550 mAh $(0.2C \text{ cut off } 3.0 V \text{ at}$ $20^{\circ}C$ Internal Impedance $< 220 \text{ m}\Omega / 30\% \text{ SOC}$ Thickness (t)Max 6.5 mmLenghth (1Max 42.5 mmWidth (w)Max 25.7 mmWeight~ 11 gCharging CharacteristicCC/CV - Constant Current / Constant VoltageVoltage 4.2 V CV Current Normal $0.5 \text{ C C} \text{ C} - 300 \text{ mA}$ Max. Charging Current $1.0 \text{ C CC} - 600 \text{ mA}$ Temperature at Charging $0^{\circ}\text{C} \dots 45^{\circ}\text{C}$ Discharge Characteristic $2.0 \text{ C} - 1200 \text{ mA}$ (for non continues discharge) $1.0 \text{ C} - 600 \text{ mA}$ (for continues discharge) $1.0 \text{ C} - 600 \text{ mA}$ (for continues discharge) $1.0 \text{ C} - 600 \text{ mA}$ (for continues discharge) $2.0 \text{ C} \dots 60^{\circ} \text{ C}$ Cycle Life at Room Temperature $2.0 ^{\circ} \text{ C} \dots 60^{\circ} \text{ C}$ Storage Temperature $-20^{\circ} \text{ C} \dots 45^{\circ} \text{ C}$ $(0 ^{\circ} \text{ C} \dots 30^{\circ} \text{ C} recommended in case of storage for$	•	
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Internal Impedance $(0.2C \text{ cut off } 3.0 \text{ V at} \\ 20^{\circ}\text{C})$ $(1 + 20^{\circ}\text{C})$ Internal Impedance $< 220 \text{ m}\Omega / 30\% \text{ SOC}$ Thickness (t)Max 6.5 mmLenghth (1Max 42.5 mmWidth (w)Max 25.7 mmWeight~ 11 gCharging CharacteristicCC/CV - Constant Current / Constant VoltageVoltage4.2 V CVCurrent Normal0.5 C CC - 300 mAMax. Charging Current1.0 C CC - 600 mATemperature at Charging0 °C 45 °CDischarge CharacteristicCut off Voltage3.0 VMax Discharge Current2.0 C - 1200 mA (for non continues discharge)1.0 C - 600 mA (for continues discharge)1.0 C - 600 mA (for continues discharge)Temperature during Discharge-20 °C 60 °CCycle Life at Room Temperature> 80% of minimum capacity after 500 cycles (0.5 C charge, 0.5 C discharge)Storage Temperature-20 °C 45 °C (0 °C 30 °C recommended in case of storage for		
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Tel. +41 (0)61 975 75 75 Fax. +41 (0)61 975 75 95 sales@renata.com www.renata.com



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