

## Technical Specification

# PLM1550A

- ▶ Rechargeable
- ▶ Up to 5000 cycles
- ▶ High power output
- ▶ Charging possible at extreme temperatures

### Performance Data

System	Lithium-ion Intercalated Compounds	
Nominal voltage	3.6V	
Nominal capacity	350mAh	
Max. continuous discharge current	2A	
Pulse current capability	5 A	
Discharge end voltage	2.5 V (2.0V at lower temperature)	
Max. charge voltage	4.1 V	
Max. charge current	100 mA	20 mA
Temperature range	-20 °C ... +50 °C	-40 °C ... +85 °C
Impedance @ 1KHz, RT	max. 100 mΩ	
Nominal energy	max. 1.4 Wh	
Weight	max. 22 g	

Item	Performance	Conditions
Battery Capacity	350[mAh] 320[mAh]	Discharge at 250 mA Discharge at 1000mA
Charge Discharge Cycles	320[mAh]	After 100 cycles Discharge at 250mA
Temperature	250[mAh] 340[mAh]	Discharge at -20°C at 250mA Discharge at 60°C at 250mA
Charge Retention (reversible)	200[mAh]	After 56d at 80°C Charge at RT
Impedance	Less than 100 mohm	Impedance at 1KHz

### Cell /Battery Protection (to be applied by the user)

Over charge protection : Cell voltage should not be higher than 4.2V.

Over discharge protection : Cell voltage should not be lower than 2.0V.

### Safety Characteristics

The cells successfully passed the following safety tests:

- Crush.
- Impact.
- Short circuit
- Nail penetration.
- Over charge up to 0.5A, 12V.

### Battery pack assembly and usage considerations

- For 2 cells or more in series ,voltage shall be monitored on each cell.
- For more than 2 cells in parallel,maximum charge current shall be limited to 250mA for the whole pack.

### Note

Any values given here are for information purposes only. They also depend on actual conditions of use and are not warranties of future performance. Subject to change.

