

Battery charger 1A/4.2V



1 Feature/Overview

Diamantine: 45mm X 84mm X 23mm Plastic case

Accessory : USB 5pin DC JACK PLUG 1.3M 5V ID: 1.3mm

This product specification has been prepared to specify the chargeable lithium-ion battery to be supplied to the customer by Stars Navigation Technologies Ltd.

2 Specifications

- Capacity: 1100~ 5500 mAh
- For use with the following: charge the battery NOKIA (BL-5C)
- Nominal Voltage 3.7V
- Guaranty Initial Capacity $\geq 90\%$ Nominal Capacity
- Charge Current (Std.) 1000mA ~5500 mAh
- Charging Voltage 4.17 ~ 4.23V
- Charging Cut-off Voltage 4.25 ~ 4.30V
- Discharge Cut-off Voltage 2.22 ~ 2.68V
- Operating Temperature and Humidity Standard Charging: 0~40° C
- Discharging: -20~60° C
- Storage Temperature and Humidity 1 Month: -20~60° C 3 Month: -20~40° C
(Percentage of Recoverable Capacity 80%)
- Charging Time (Std.) 3hours---1,100mAh
- Discharging Current (Std.) 1.1A
- Discharging Current (Max.) 2.2A
- Internal Resistance Less than 100mΩ AC Impedance 1kHz

3 BL-5C 4 PIN ASSIGNMENT AND DESCRIPTION

Solder side:



Pin	Description
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B+	Connect to + terminal of cell
B-	Connect to – terminal of cell
P+	Cellular phone + / Charger +
P-	Cellular phone - / Charger -
ID	Identification (Resistor $75K\Omega \pm 5\%$)





5 charge instructions

- While waiting for charge



- charging:



- Achievement or bad contact



6 Over Charge Protection

If the voltage threshold of $4.280 \pm 0.025\text{V}$ is exceeded, the over voltage protection circuit will stop the charge pathway, preventing the battery from accepting charge current.