

Model	INR18650-13B	Version No.	1.0	In-Young Jang
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SPECIFICATION OF PRODUCT

Lithium-ion rechargeable cell for power tools

Model name : INR18650-13B

Oct., 2012

**Samsung SDI Co., Ltd.
Energy Business Division**

2. Description and model

2.1 Description lithium-ion rechargeable cell, NMC version

2.2 Model name INR18650-13B

3. Nominal specifications

Item	Specification
3.1 Nominal discharge capacity	1,300mAh (standard charge /0.2C discharge, 2.5V cut-off)
3.2 Minimum capacity	1,250mAh (1C disch., 2.5V discharge)
3.3 Charging voltage	4.2 ± 0.05 V
3.4 Nominal voltage	3.6V
3.5 Charging method	CC-CV (100mA cut-off)
3.6 Charging current	Standard charge: 0.65A Rapid charge: 4A
3.7 Charging time	Standard charge : 150min Rapid charge: 40min (at 25°C)
3.8 Max. discharge current (continuous)	23A(at 25°C), 60% at 250cycle
3.9 Discharge cut-off voltage	2.5V
3.10 Cell weight	45.0g max
3.11 Cell dimension	Height : 64.85 ± 0.15mm Diameter : 18.15 ± 0.10mm
3.12 Operating temperature (surface temperature)	Charge : 0 to 50°C (recommended recharge release < 45°C) Discharge: -20 to 75°C