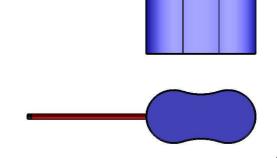
Conditions Li-Ion (LiCoO₂) cell type: cell size: 18650 nominal voltage: 3.7 V capacity nominal: 4500 mAh discharge at 0.2C minimum: 4500 mAh discharge at 0.2C 3600 mAh discharge at 1C ta: 20℃; EV(Discharge End Voltage): 22.75V discharge max. continuous 6000 mA ta: 0....45℃ discharge current: important: avoid cell temperature above 60℃ 2.75 V discharge end voltage: (recommended) important: avoid long time deep discharge charge charging method: CC - CV (Constant Current - Constant Voltage) 2250 mA at standard charge initial charge current: 4500 mA at rapid charge charge end voltage: 4.2 V ±50mV charge cut off by time: 3,5 h at standard charge 2,5 h at rapid charge by current drop: 22 mA (0.01C)internal resistance: ≤ 20 mOhms at 1kHz, sine wave measurement Label Design according to IEC 896-2 AN-MANN Li-Ion Rechargeable 18650 1S2P
Nominal voltage: 3.7V
Max. charge voltage: 4.2V
Nominal Capacity: 4500mAh
Minimum Capacity: 4500mAh
Recommended charge current: 2250mA safety board protection functions overcharge cut off voltage: 4.25 V ± 25mV Li-Ion deep disch.cut off voltage: 2.5 V ± 62mV Energy: 250mA | 16.6Wh |
Safety advice for Li-lon batteries |
Do not crush, heat incinerate, short circuit dismantle or immerse in any liquid or it may vent or rupure. Follow charging instructions. Do not charge below 0°C |
Discharge 20°C to +60°C |
Tested and approved to UN38.3 discharge cut off current: ± 2000mA 8500m A short circuit protection: yes life time expectance (C>70% of min. capacity) ≥ 300 cycles at 0.5C charge/discharge rate part. no.: xxxx-xxxx 44/11 ≤ 5 %/month self discharge: at 20℃ ≤ 10 %/month at 30℃ ≤ 20 %/month at 40℃ ambient temperature 0...45 ℃ range: charge 0...60 ℃ discharge - 20...25 ℃ storage max. 1year - 20...45 ℃ storage max. 3months preferred charge state for long time storage: 30...50% mechanical specifications cell dimensions (incl. sleeve) width: 37 ± 1 mm

length: 65 ± 2 mm width: 18 ± 1 mm weight: 100 approx. g

wire diameter: AWG22

wire length: 120mm black red





ANSMANN Specifications for model:	Li - Ion Battery 3.7V 4500mAh with safety board inside
data sheet no. / part no.	2447-3005
Version no.	V0
author / date	Eisenreich / 01.12.11