

Data Sheet¹

Basic Cell Configuration ICR-18650NH 1s

Dimensions [mm]

Length (L) Max.71
 Width (W) Max.19.5
 Weight, approx. [g] 50

Contacts Wires AWG24 UL1007
 red = +
 black = -

Electrical Parameter

Nominal Values [V] / [Wh] 3.7
 Typical capacity [mAh] 2200 (0.2C at 20°C after 4.2V)
 Minimum capacity C [mAh] 2150 (0.2C at 20°C after 4.2V)
 Impedance initial [mΩ] < 150 @ 1kHz at 4.2V

Max. Charge [mA] 2200
 Max. Charge Voltage [V] 4.20
 Max. cont. Discharge [mA] 2200
 Discharge Cut off [V] 3.00

Life expectancy 0.5C/0.5C [20°C Cycles] 300 >80% of initial capacity

Operating temperature [°C] Charge: 0 to 45
 Discharge: -20 to 60

Humidity 65 +-20%RH
 Storage Temperature 12 month at -20 to +35°C

Safety Parameter PCM

Overcharge Det. Voltage 4.30 +-0.05 V
 Overcharge Release Voltage 4.10 +-0.05 V
 Overdischarge Det. Voltage 2.40 +-0.10 V
 Overdischarge Rel. Voltage 3.00 +-0.10 V
 Overcurrent Det. Range 3-6 A

Delivery Status

Voltage 3.7 – 3.9V
 Capacity 50-60%

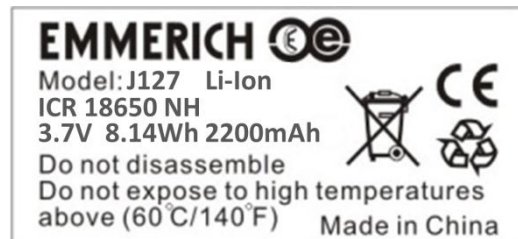
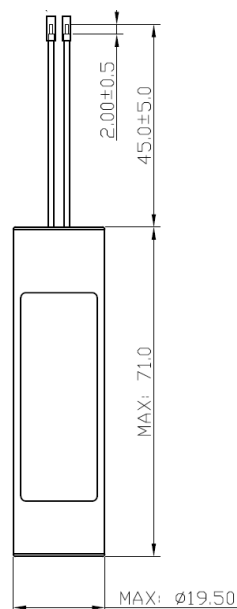
Label Custom

Shrink Sleeve Light Green

Certifications

Cell UL1642
 Battery UN38.3, ROHS

Mechanical Drawing



¹ Prior to use read Handling Precaution and Prohibitions for Li-Ion Batteries
 Subject to change without prior notice !