

LITHIUM ION RECHARGEABLE BATTERY

CYLINDRICAL LITHIUM-ION BATTERY



- Energy density is high. It attains volumetric energy density of 370Wh/L and gravimetric energy density of 150Wh/kg.
- Voltage is high, with average operating voltage at 3.7V.
- It is approximately three times that of Ni-Cd and Ni-MH rechargeable batteries.
- Charge/discharge cycle characteristics are excellent: batteries may be put through 500 or more cycles.
- Self-discharge is minimal, at fewer than 10% per month.
- There is no memory effect such as those in Ni-Cd and Ni-MH rechargeable batteries.
- Carbon material, rather than metallic lithium or lithium alloy is used as the anode material. The lithium ion state is maintained over a wide range of operating conditions, for excellent safety.
- Working temperature is suitable for a wide range, it can work under such circumstances of -20~60°C.
- Quick charge is available, only 70 minutes can we charge the battery to saturation under the condition of 1CmA.

Model Number	Voltage (V)	Capacity (mAh)		Dimension (mm) Φ x L1	Internal Impedance (mΩ)	Weight (g±2.0)
		Typical	Rate			
ICR14430A	3.7	650	600	Φ14.0±0.2 x 42.5±0.5	≤70	19
ICR14500A	3.7	700	650	Φ14.0±0.2 x 49.5±0.5	≤70	20
ICR17500A	3.7	950	900	Φ16.4±0.2 x 49.5±0.5	≤60	28
ICR17670A	3.7	1250	1200	Φ17.0±0.2 x 66.5±0.5	≤60	36
ICR18500A	3.7	1250	1200	Φ18.0±0.2 x 49.5±0.5	≤60	35
ICR14640A	3.7	870	850	Φ14.0±0.2 x 63.5±0.5	≤60	26
ICR18650A	3.7	1850	1800	Φ18.0±0.2 x 64.5±0.5	≤60	44
ICR18650AH	3.7	2050	2000	Φ18.0±0.2 x 64.5±0.5	≤60	44
ICR15265A	3.7	380	350	Φ15.0±0.2 x 26.5±0.5	≤180	12
ICR13480A	3.7	550	500	Φ12.8±0.2 x 47.5±0.5	≤90	17
ICR14290A	3.7	450	400	Φ14.0±0.2 x 29.0±0.5	≤90	15

ICR16340A	3.7	550	500	$\Phi 16.0 \pm 0.2 \times 33.5 \pm 0.5$	≤ 140	16
ICR17650A	3.7	1350	1300	$\Phi 16.7 \pm 0.1 \times 65.0 \pm 0.5$	≤ 70	36



