

INR18650 11.1V 10500mAh Lithium-ion Battery Pack

This 11.1V 10500mAh lithium-ion battery pack is assembled with high-quality INR18650 cells in a 3S configuration. It provides stable voltage output, low internal resistance ($\leq 80\text{m}\Omega$), and reliable energy performance. Designed for medium-power applications, the battery supports continuous discharge up to 3A and operates in a wide temperature range from -20°C to 60°C . With a cycle life of ≥ 300 cycles (80% DOD), it ensures dependable long-term operation.

Model	INR18650
Configuration	3S Lithium-ion
Nominal Voltage	11.1V
Nominal Capacity	10500mAh
Charging Cut-off Voltage	12.6V
Discharge Cut-off Voltage	9.0V
Max Constant Charging Current	2000mA
Max Continuous Discharge Current	3000mA
Internal Resistance	$\leq 80\text{m}\Omega$
Cycle Life	≥ 300 cycles (80% DOD)
Dimensions	56.5 × 58.5 × 66.5 mm
Weight	Approx. 480g

Operating Conditions	
Charging Temperature	$0^{\circ}\text{C} \sim 45^{\circ}\text{C}$ (0.2C Recommended)
Discharge Temperature	$-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$
Discharge Rate ($-20^{\circ}\text{C} \sim 0^{\circ}\text{C}$)	0.2C
Discharge Rate ($0^{\circ}\text{C} \sim 60^{\circ}\text{C}$)	0.3C

Protection Functions (Customizable BMS): Overcharge protection, Over-discharge protection, Overcurrent protection, Short circuit protection. Applications: Industrial equipment, medical devices, monitoring systems, portable instruments, backup power systems, smart control devices.