

# INR18650 7.4V 2600mAh Lithium-ion Battery Pack

This 7.4V 2600mAh lithium-ion battery pack is built with premium INR18650 cells in a 2S configuration. It provides stable voltage output, reliable 3A continuous discharge performance, and efficient energy transmission with internal resistance  $\leq 140\text{m}\Omega$ . Compact and lightweight (118g), it is suitable for portable and industrial applications. The battery supports operation from  $-20^{\circ}\text{C}$  to  $60^{\circ}\text{C}$  and offers  $\geq 300$  cycles at 80% DOD for dependable long-term performance.

|                                  |                             |
|----------------------------------|-----------------------------|
| Model                            | INR18650                    |
| Configuration                    | 2S Lithium-ion              |
| Nominal Voltage                  | 7.4V                        |
| Nominal Capacity                 | 2600mAh                     |
| Charging Cut-off Voltage         | 8.4V                        |
| Discharge Cut-off Voltage        | 6.0V                        |
| Max Constant Charging Current    | 2A                          |
| Max Continuous Discharge Current | 3A                          |
| Internal Resistance              | $\leq 140\text{m}\Omega$    |
| Cycle Life                       | $\geq 300$ cycles (80% DOD) |
| Dimensions                       | 20.5 × 37.5 × 68.5 mm       |
| Weight                           | Approx. 118g                |

|                       |  |
|-----------------------|--|
| Operating Conditions  |  |
| Charging Temperature  | 0~10°C: 0.2C   10~35°C: 2A   35~45°C: 0.2C |
| Discharge Temperature | -20~0°C: 0.2C   0~10°C: 0.5C               |
|                       | 10~35°C: 3A   35~60°C: 0.5C                |

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