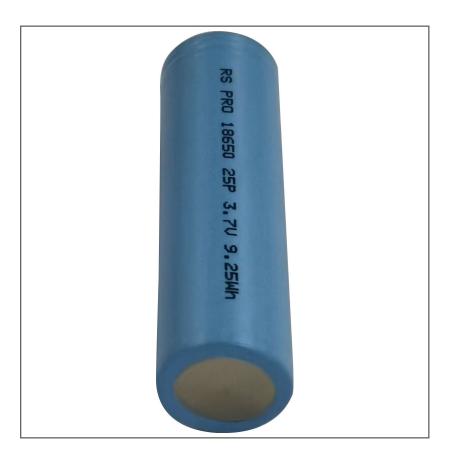**RS PRO**

Features

- High capacity

- Long Service Life

- Reliable

- Tested and approved to IEC62133/ un38.3 /UL /ROHS

- Reach report

- Safety

RS PRO Specialty Size Batteries

RS Stock No.: 0196923

RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Specialty Size Batteries

RS PRO

Product Description

RS Rechargeable cylindrical Lithium-ion battery using latest technology. Long Service Life-Depending upon application up to 1000 charge/discharge cycles can be expected. This rechargeable Lithium-ion battery is an excellent battery to use for applications when stability and safety is more important to you than battery capacity. Providing a reliable and safety power source, a wider range of temperature reliability, low discharge rate and amazing overcharge and plus their design is space saving.

General Specifications

Chemistry	Rechargeable Lithium -ion cell
Number Of Cells	1
Terminal Type	PIPE
Size	18650
Cycle Life At 80%	1000 times
Charge Frequency During Storage	6 months
Application	Torch, Various battery pack, Vehicle's battery pack

Electrical Specifications

Nominal Voltage	3.70V
Capacity	2500mAh
Maximum Charge Voltage	4.20V
Standard Charge	CC/CV,0.2C5A,4.20V
Standard Discharge	CC,0.2C5A, 2.75V
Max Charge Current (Continuous)	2.5A (50°C>T≥20°C) 1.25A(20°C>T≥10°C) 0.5A(10°C>T≥0°C)
Max Discharge Current (Continuous)	2.5A (50°C>T≥20°C) 1.25A(20°C>T≥10°C) 0.5A(10°C>T≥0°C)
Charging time	3 Hours (Standard Charge)
Operating Voltage	4.20V~2.75V
Cut-Off Voltage	2.75V
Energy	9.25Wh

Specialty Size Batteries

Mechanical Specifications

Diameter	Ø18.5mm
Height	65.2mm
Weight	45g
Relative Humidity	65%

Operation Environment Specifications

Charge Temperature Range	0°C to 45°C	
Discharge Temperature Range	-20°C to 60°C	
Storage Temperature Range	1 Year	-20~25°C
	3 months	-20~45°C
	1 month	-20~60°C

Approvals

Compliance/Certifications	UL1642
	IEC62133
	UN38.3