



ENGLISH

Datasheet

RS Pro Article: 1449406

RS Pro 18650 26H Li-ion Battery Pack

Tested and approved to UN38.3



1 Preface

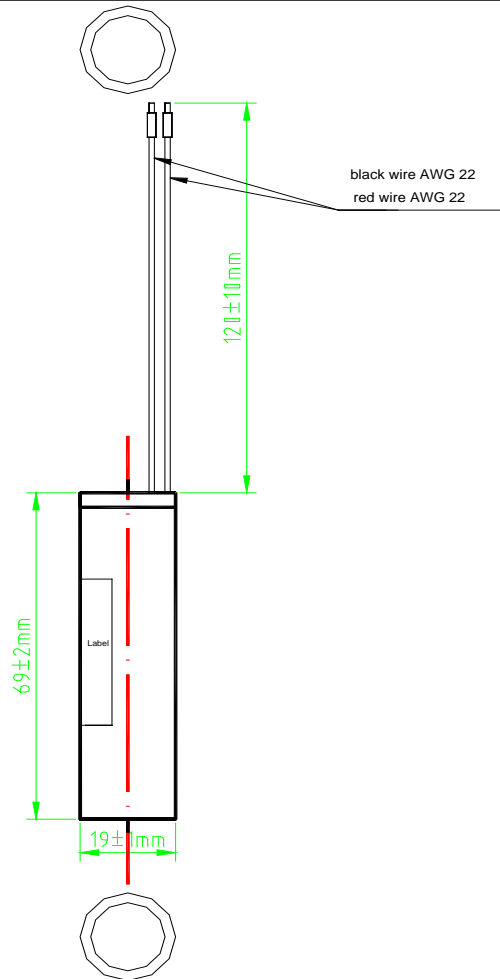
This manual describes the type and size, performance, technical characteristics, warning and caution.

2 Product and Model

2.1 Products: Li-ion Battery Pack

2.2 Model: RS Pro 18650-26H M(18650 2600 mAh 3.7 1S1P)

2.3 Picture and output wire (To prevail in kind)



1.	Positive	Red one wire with 22 AWG	Length: 120±10 mm	Molex 39-01-4021
2.	Negative	Black one wire with 22 AWG	Length: 120±10 mm	

3. Battery Pack Specifications

Item		Parameters
Nominal Voltage		3.7 V
Typical capacity		2.6 Ah (0.2C, 2.75 V discharge)
Discharge	Max. Discharge Current	> 2.5 A (ambient temperature 25°C)
	Cut-off voltage	2.75 V
Charge	Voltage	4.2 ±0.05 V
	Current	Standard Charge: 0.5 C° Rapid Charge: 1°C
	Max. Current	1C (ambient temperature 25°C)
	Charge mode	CC/CV, use special lithium charger
Inner resistance	Discharging Inner resistance	≤ 100 mΩ
Operation temperature / humidity range	Charge	0°C to +52 °C
	Discharge	-20 °C to +60 °C
		When the environment temperature is higher than 45 °C, pay attention to ventilation and heat rejection.
Storage temperature/ humidity range	Temperature	1 year: -20 to 20 °C 3 months: -20 to 45 °C 1 month: -20 to 60 °C
Protection function	Over charge protection, Over discharge protection	
Shell material	PVC	
Weight	48 g	
Size (L x W x H) mm	69 x 19 ± (2-1 mm)	

4 Protective circuits (SP-R01-606-A02-MIST)

Item	Min.	Typical.	Max.	Unit
Over-Charge detect voltage	4.225	4.250	4.275	V
Over-Charge recovery voltage	4.100	4.150	4.200	V
Over-Discharge detect voltage	2.72	2.800	2.880	V
Over-Discharge recovery voltage	2.80	3.00	3.10	V
Overcurrent protection	2.5	4	6	A
Idle mode		10		μA
Operating Temperature	-20	25	60	$^{\circ}\text{C}$
Main loops electrify resistance			100	$\text{m}\Omega$

