



ENGLISH

Datasheet

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Samsung 18650 26H Li-ion Battery Pack



1 Preface

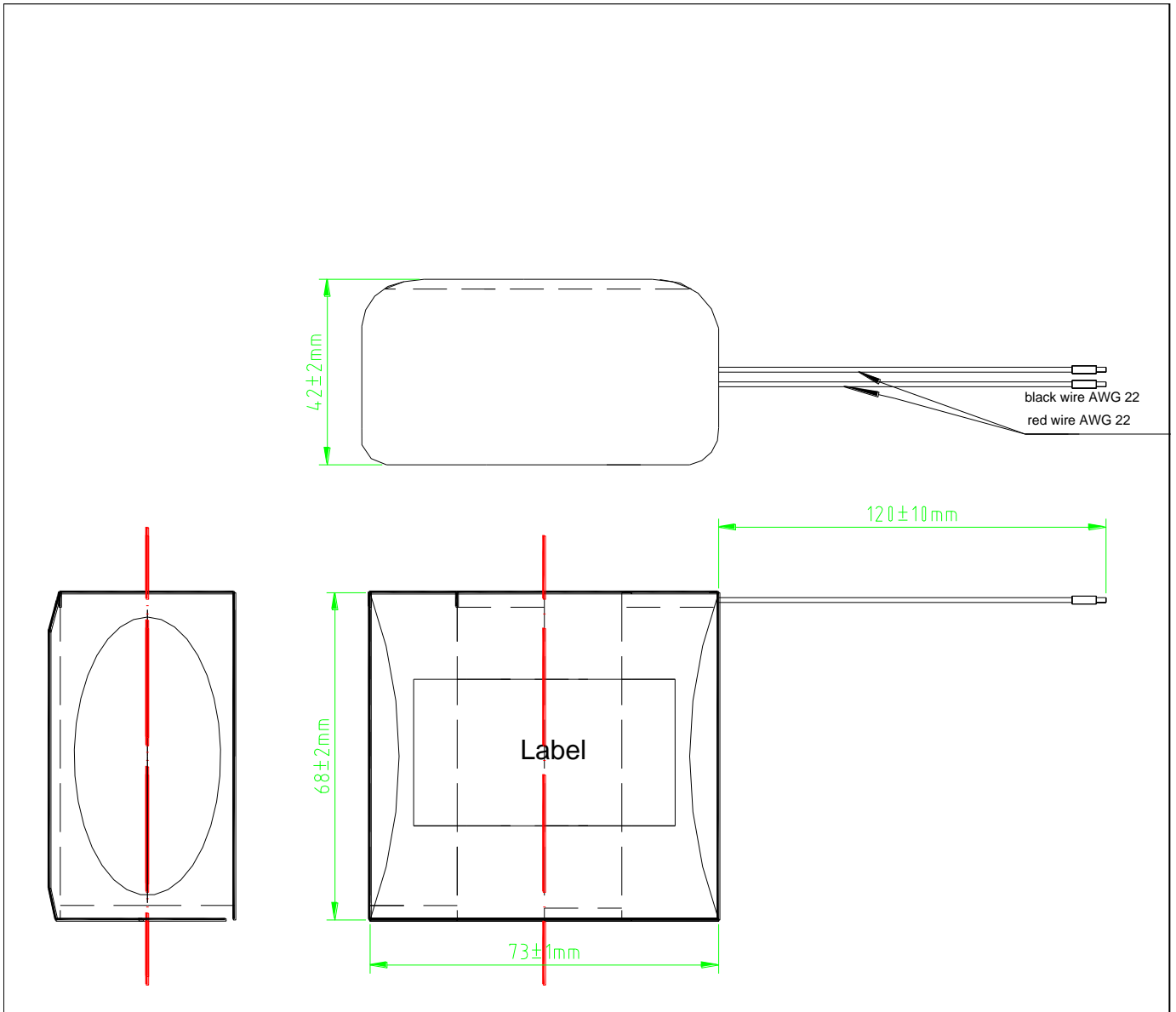
This manual describes the type and size, performance, technical characteristics, warning and caution.

2 Product and Model

2.1 Products : Lithium-ion Battery Pack

2.2 Model: Samsung ICR 18650-26H M(18650 5200Ah 14.8V 4S2P)

2.3 Picture and output wire (In order to prevail in kind)



1.	Positive	Red one wire with 22AWG	Length: $120 \pm 10 \text{ mm}$	Molex 39-01-4021
2.	Negative	Black one wire with 22AWG	Length: $120 \pm 10 \text{ mm}$	

3 Battery Pack Specifications

Item		Parameters
Nominal Voltage		14.8V
Typical capacity		5.2Ah (At 0.2C, 8.25V discharge)
Discharge	Max. Discharge Current	> 8A (ambient temperature 25°C)
	Cut-off voltage	11 V
Charge	Voltage	16.80V±0.05V
	Current	Standard Charge:0.5 C Rapid Charge:1C
	Max. Current	1C (ambient temperature 25°C)
	Charge mode	CC/CV, please use special lithium charger
Inner resistance	Discharging Inner resistance	≤ 100mΩ
Operation temperature / humidity range	Charge	0°C ~ +52°C
	Discharge	-20°C ~ +60°C
		When the environment temperature is higher than 45°C, please pay attention to ventilation and heat rejection.
Storage temperature/ humidity range	Temperature	1 Year : -20~20°C 3 months: -20~45°C 1months: -20~60°C
Protection function	Over charge protection, Over discharge protection	
Shell material	PVC	
Weight	365g	
Size (L* W*H) mm	73 x68 x42± (1-2-2mm)	

4. Protective circuits (CL-S04-019-A01-F4ST)

Item	Min	Typ	Max	Unit
Over-Charge detect voltage	4.225	4.25	4.275	V
Over-Charge recovery voltage	4.10	4.15	4.20	V
Over-Discharge detect voltage	2.62	2.70	2.78	V
Over-Discharge recovery voltage	2.90	3.00	3.10	V
Over current protection	9	13	17	A
Idle mode			50	μ A
Operating Temperature	-20	25	60	$^{\circ}$ C
Main loop electrify resistance			100	m Ω

