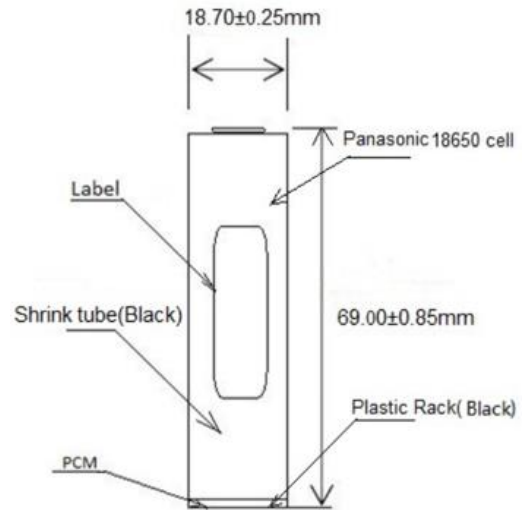


■ BATTERY PACK CHARACTERISTICS

Items	Criteria	Remarks
Capacity	Typ.3450mAh	
	Min.3350mAh	
Energy	12.42Wh	
Nominal Voltage	3.6V	
Internal Impedance	Cell: $\leq 45m\Omega$	AC 1KHz after standard charge
	Battery pack: $\leq 120m\Omega$	
Charge voltage	4.2V	
Standard charge current	1675mA	
Charge Time	4.0h	
Standard discharge current	670mA	25°C
Max. discharge current	3450mA	0°C ~ +45°C
Discharge cut-off voltage	2.5V	
Operating Temperature	10°C ~ +45°C	Charge
	-20°C ~ +60°C	Discharge
Weight	58g	

■ BATTERY PACK CONFIGURATION

Items	Criteria
Cell	Panasonic NCR18650GA
PCM	EVVA-1600
Shrink tube	Black PET
Plastic holder	Black
Label	Silver


■ PROTECTION CIRCUIT CHARACTERISTICS

Item	Symbol	Content	Criterion
Over charge protection	VDET1	Over charge detection voltage	4.325±0.05 V
	tVDET1	Over charge detection delay time	1.2±0.5ms
Over discharge protection	VDET2	Over discharge detection voltage	2.50±0.1V
	tVDET2	Over discharge detection delay time	1.0±0.5ms
Over current protection	VDET3	Over current detection voltage	0.15±0.015V
	IDP	Over current detection current	8-12A
	tVDET3	Detection delay time	12±4ms
		Release condition	Cut load and charging
Short protection		Detection condition	Exterior short circuit
	TSHORT	Detection delay time	MAX.18ms
		Release condition	Cut short circuit and charging
Interior resistance	RDS	Main loop electrify resistance	RDS $\leq 50m\Omega$

■ PROTECTION CIRCUIT MAIN PART LIST

Name	QTY	Brand	Part
IC	1	Seiko	S-8261AAJMD
MOSFET	2	ALPHA & OMEGA	AO8814/8810

■ PROTECTION CIRCUIT LAYOUT
