

Technische Daten/
technical data : Akkupack/
battery pack
Chemie/
chemistry : Lithium Ion
Zellenzahl/
no. of cells : 4 Zellen/ cells ; 2S2P
Zellentyp/
cell type : INR18650 LGC MJ1
Kapazität/
capacity : nom. 6900mAh discharge at 0.2C
min. 6800mAh discharge at 0.2C
ta:20°C; EV(Discharge End Voltage): 2.5V per cell

Innenwiderstand/
impedance : < 120mOhm (battery and safetyboard)

Nominalspannung/
nominal voltage : 7.4V

Standard Ladespannung/
standard charge voltage : 8.4V±1%

Standard Entladespannung/
standard discharge voltage : 5.0V

Nominaler Ladestrom/
nominal charge current : 0.5C

Maximaler Ladestrom/
maximum charge current : 5000mA (limited by safetyboard)

Ladeendstrom/
charge end current : 0.01C recommended

Maximaler Entladesstrom/
maximum discharge current : 5000mA (limited by safetyboard)

Anwendungstemperaturbereich/
ambient temperature range : 0°C...+45°C charge
-20°C...+60°C discharge

Maximaler Entladesstrom/
maximum discharge current : -20°C...+30°C storage max. 1 year
-20°C...+45°C storage max. 3months

Selbstentladung/
self discharge : ≤ 5% / month at20°C
≤ 10% / month at30°C
≤ 20% / month at40°C

Standards/
 : UN 3480, Subsection 38.3

All cells and battery packs type tested according to UN manual of test and criteria subsection 38.3

Technische Daten/
technical data : Sicherheitschaltung/
safety board (0180-3029)

Überladeschutzspannung/
over charge voltage detection : 4.3V±25mV per cell

Wiedereinschaltspannung/
over charge release voltage : 4.1V±50mV per cell

Entladedeschaltspannung/
over discharge detection voltage : 2.4V±50mV per cell

Wiedereinschaltspannung/
over discharge release voltage : 3.0V±100mV per cell

Nominaler Lade/Entladesstrom/
nominal operating current : 5A

Entlade Abschaltstrom/
discharge cut off current : 13A± 3A

Kurzschlusschutz/
short circuit protection : gegen äußeren Kurzschluss/
against external short circuit

Temperatururshalter/
temperature switch : PTC : JK-P730 20V/7.3A at 25°C; 6.2A at 40°C

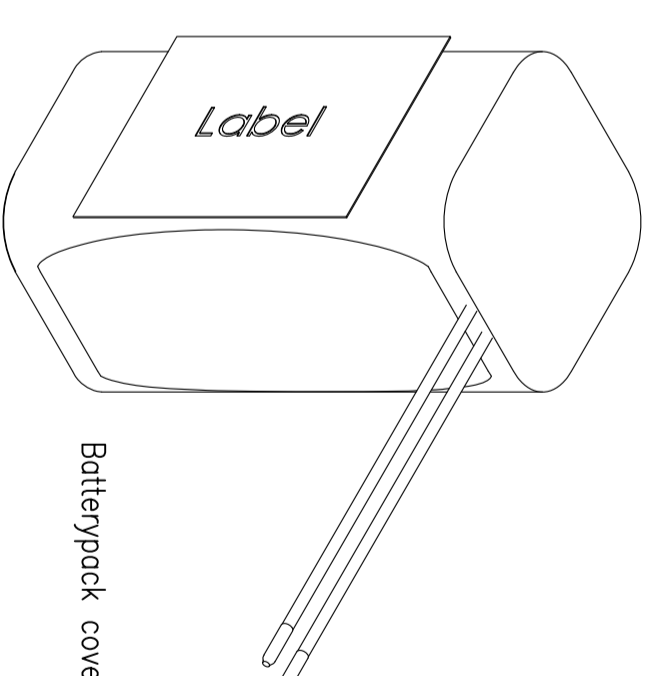
MOSFET : in Masse
in Gnd

Rückstellkriterium/
release condition : Last trennen, Aktiv nach Anladen/
cut load, release after charging up

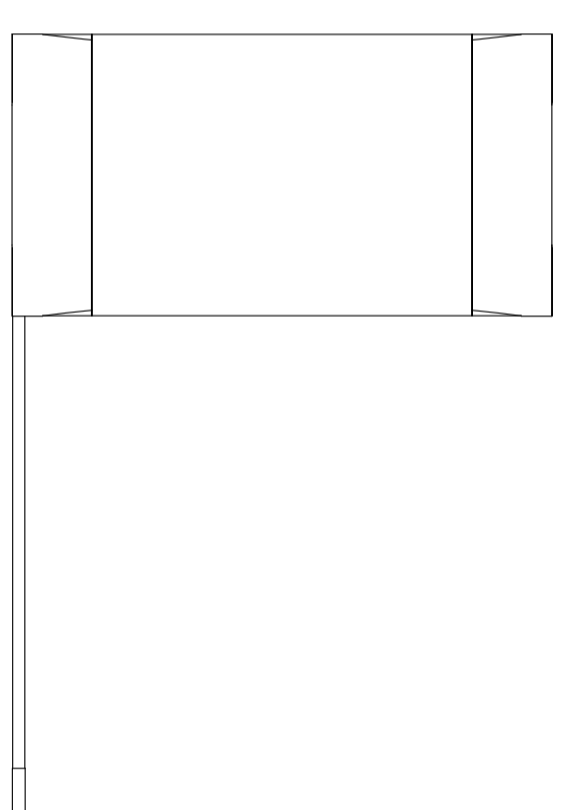
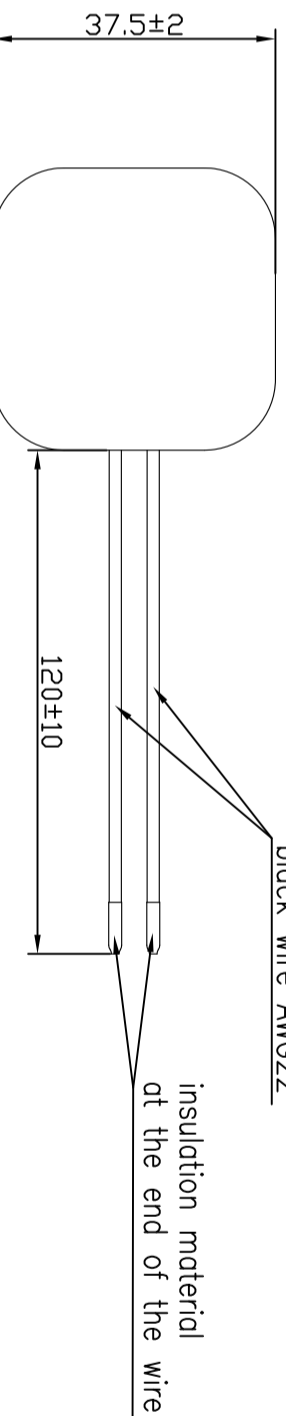
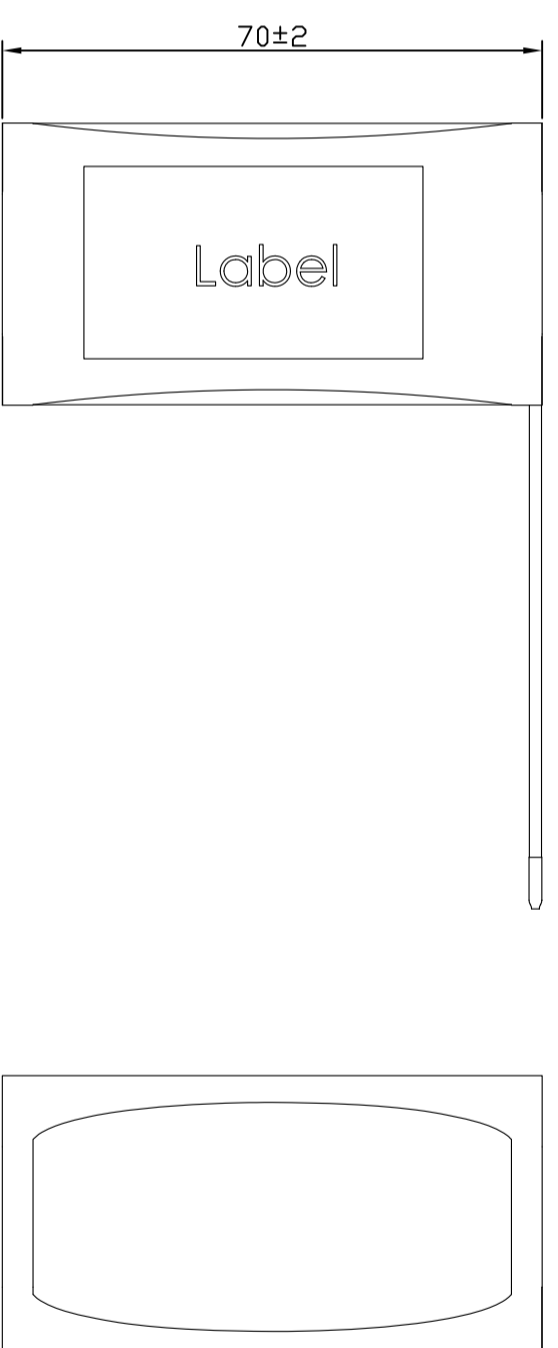
Leiterplattenmaterial/
pcb material : FR4

Nettogewicht/
net weight : 196g

Standards : CE



Battery pack covered with 2 layers of blue shrinktube



Verwendungsbereich/Application range		Zul. Abweichung/ Allowable deviation		Oberfläche/ Surface		Maßstab/Scale (DIN A2): 1:1		Gewicht/Weight	
Für Anfrage/for inquiry IS-2016-01263		DIN ISO 2768-m				Werkstoff/Work material, Modell-Nr.			
Version		Ursprung/Origin		Proj. IS-2016-01263		Ersatz für/Replaced by		Ersatz durch/Replaced through	
NO		created this D/S		12.10.16		JK		2447-3049-20	
		Änderung/Change						Blatt/ Sheet	
								1	
								Zeichnungsnummer/Drawing number	
								Li-Ion-7.4V-6900mAh-2s2p-block-PTC/LG	
								with safetyboard	
								Zeichnungsnummer/Drawing number	
								2447-3049-20	
								Blatt/ Sheet	
								1	

