

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

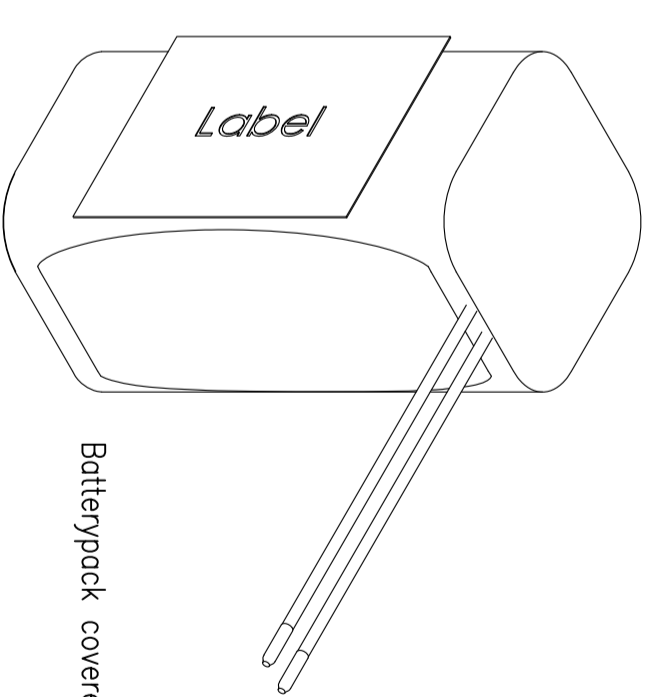
Innenwiderstand/
impedance : < 120mOhm (battery and safetyboard)
Nominalspannung/
nominal voltage : 7.4V
Standard Ladespannung/
standard charge voltage : 8.4V±1%
Standard Entladespannung/
standard discharge voltage : 5.0V
Nominaler Ladestrom/
nominal charge current : 0.5C
Maximaler Ladestrom/
maximum charge current : 5000mA (limited by safetyboard)
Ladeendstrom/
charge end current : 0.01C recommended
Maximaler Entldestrom/
maximum discharge current : 5000mA (limited by safetyboard)
Anwendungstemperaturbereich/
ambient temperature range : 0°C...+45°C charge
-20°C...+60°C discharge
-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

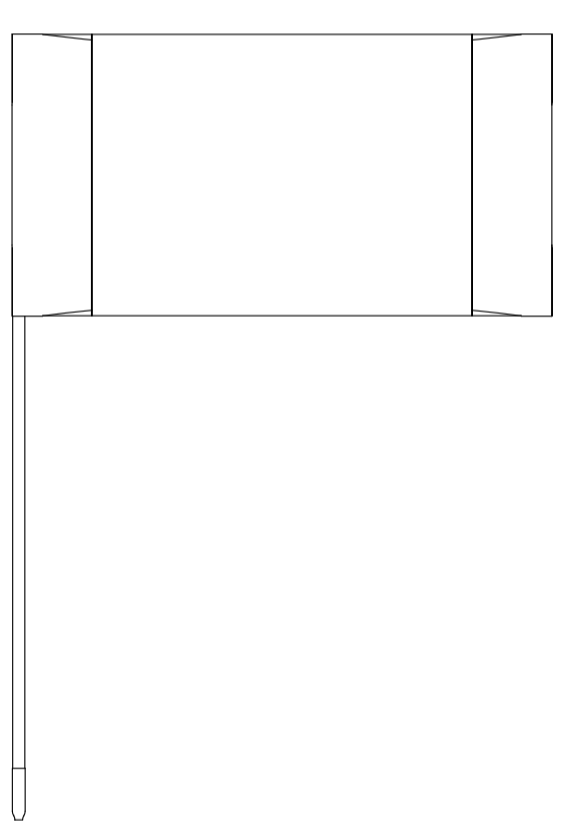
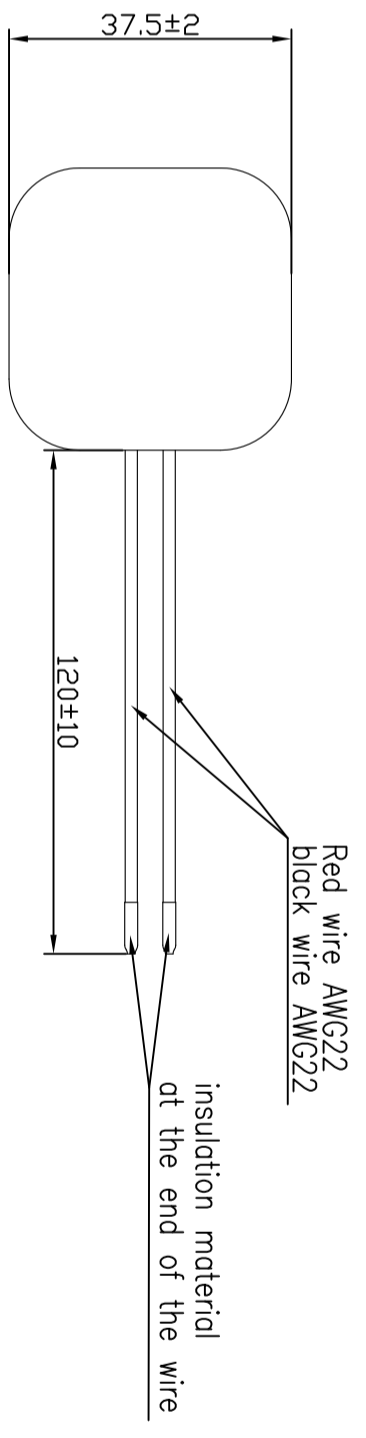
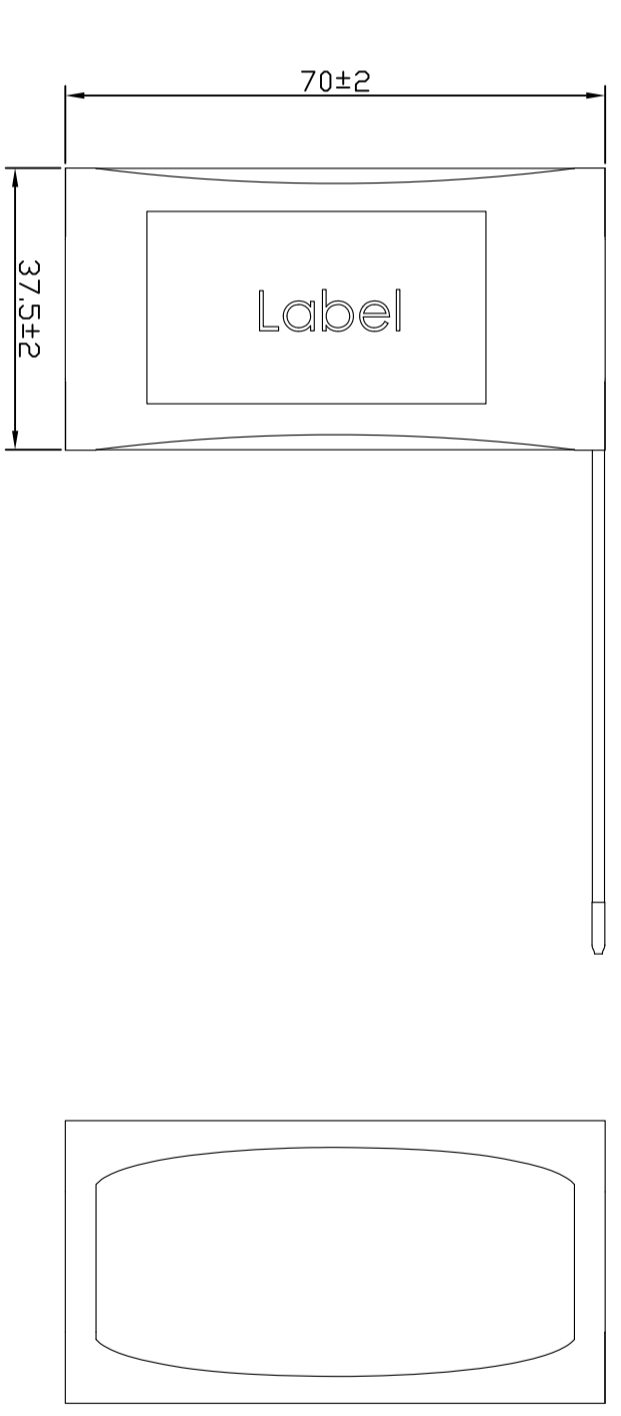
Technische Daten/
technical data : SicherheitsSchaltung/
safety board (0180-3029)

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 für Anfrage/for inquiry IS-2016-01263		Zul. Abweichung/ Allowable deviation	Oberfläche/ Surface	Maßstab/Scale (DIN A2): 1:1	Gewicht/Weight
Version	Änderung/Change	Datum/Date	Ursprung/Origin	Proj. IS-2016-01263	
NO	created this D/S	12.10.16	JX		
Allgemeintoleranz DIN ISO 2768-m		2016	Datum/Date	Name	
Erstellt/ Drawn by		12.10.	JX		
Zeichnungsname/Drawing name		Li-Ion-7.4V-6900mAh-2s2p-block-PTC/LG with safetyboard			
Zeichnungsnummer/Drawing number		2447-3049-20			
Artnummer/Part number		2447-3049-20			
Ersatz für/Replaced by		Ersatz durch/Replaced through			
Blatt/ Sheet		1			

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