

Technische Daten/
technical data : Akku/
battery

Chemie/
chemistry : Lithium Ion

Zellenzahl/
no. of cells : 1 Zelle/ cell; 1S1P

Zellentyp/
cell type : INR18650 LGC MJ1

Kapazität/
capacity : nom. 3450mAh discharge at 0.2C
min. 3400mAh discharge at 0.2C
ta:20°C; EV(Discharge End Voltage): 2.5V per cell

Innenwiderstand/
impedance : < 140mOhm (battery and safetyboard)

Nominalspannung/
nominal voltage : 3.7V

Standard Ladespannung/
standard charge voltage : 4.2V±1%

Standard Entladespannung/
standard discharge voltage : 2.5V per cell

Nominaler Ladestrom/
nominal charge current : 0.5C

Maximaler Ladestrom/
maximum charge current : 2500mA (limited by safetyboard)

Ladenstrom/
charge end current : 0.01C recommended

Maximaler Entladestrom/
maximum discharge current : 2500mA (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 batterypacks type tested according to UN manual of test and criteria subsection 38.3

Technische Daten/
technical data : Sicherheitschaltung/
safety board (0180-3201)

Überladeschutzspannung/
over charge voltage detection : 4.325V±0.05V

Wiedereinschaltspannung/
over charge release voltage : 4.075V±0.1V

Entladeabschaltspannung/
over discharge detection voltage : 2.5V±0.1V

Wiedereinschaltspannung/
over discharge release voltage : 2.9V±0.1V

Nominaler Lade/Entladestrom/
nominal operating current : 2.5A

Entlade Abschaltstrom/
discharge cut off current : 5A±1A

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

Temperatururshalter/
temperature switch : PTC : SMD1812R400SF; 6V/4A at 25°C; 3.41A at 40°C

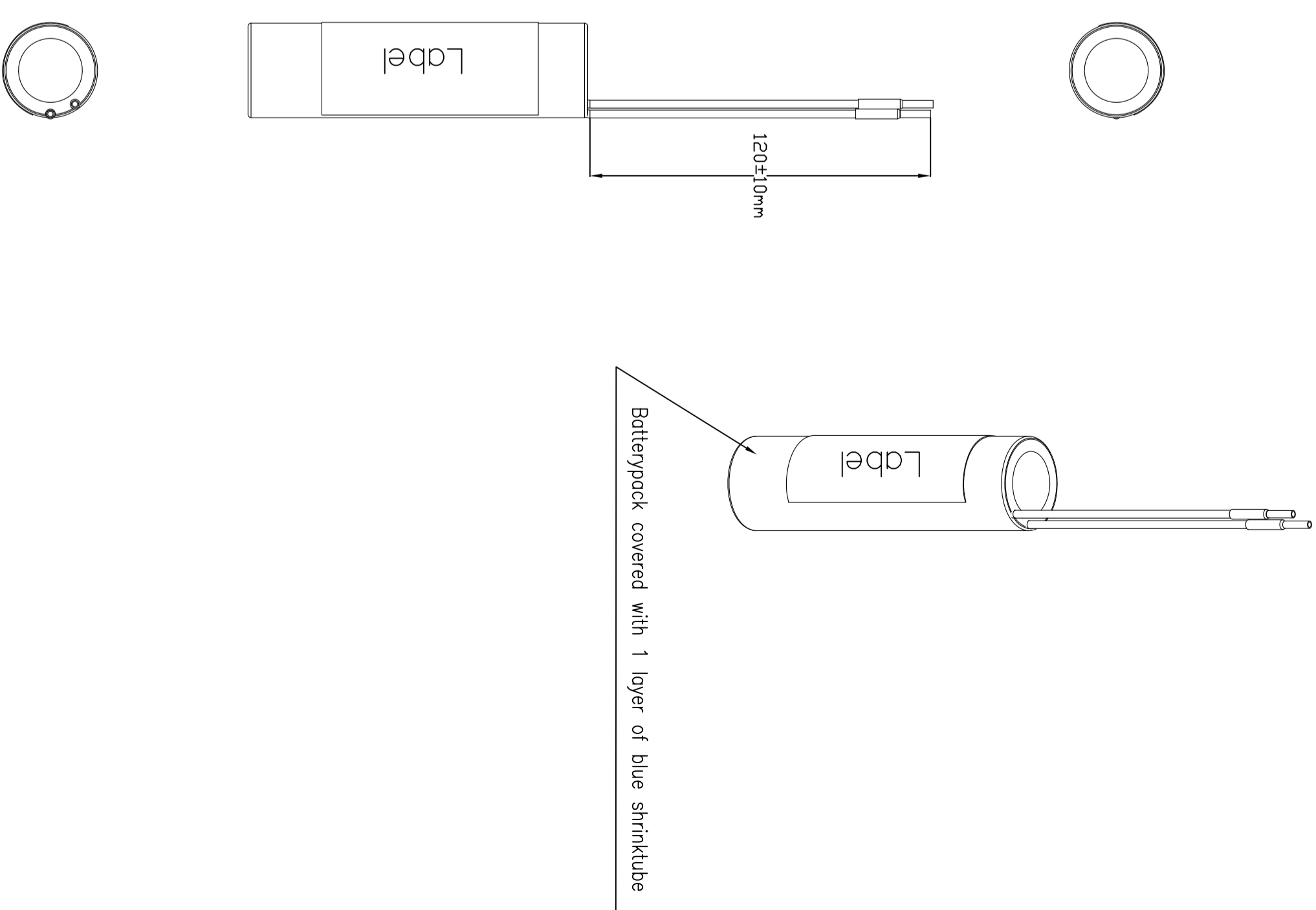
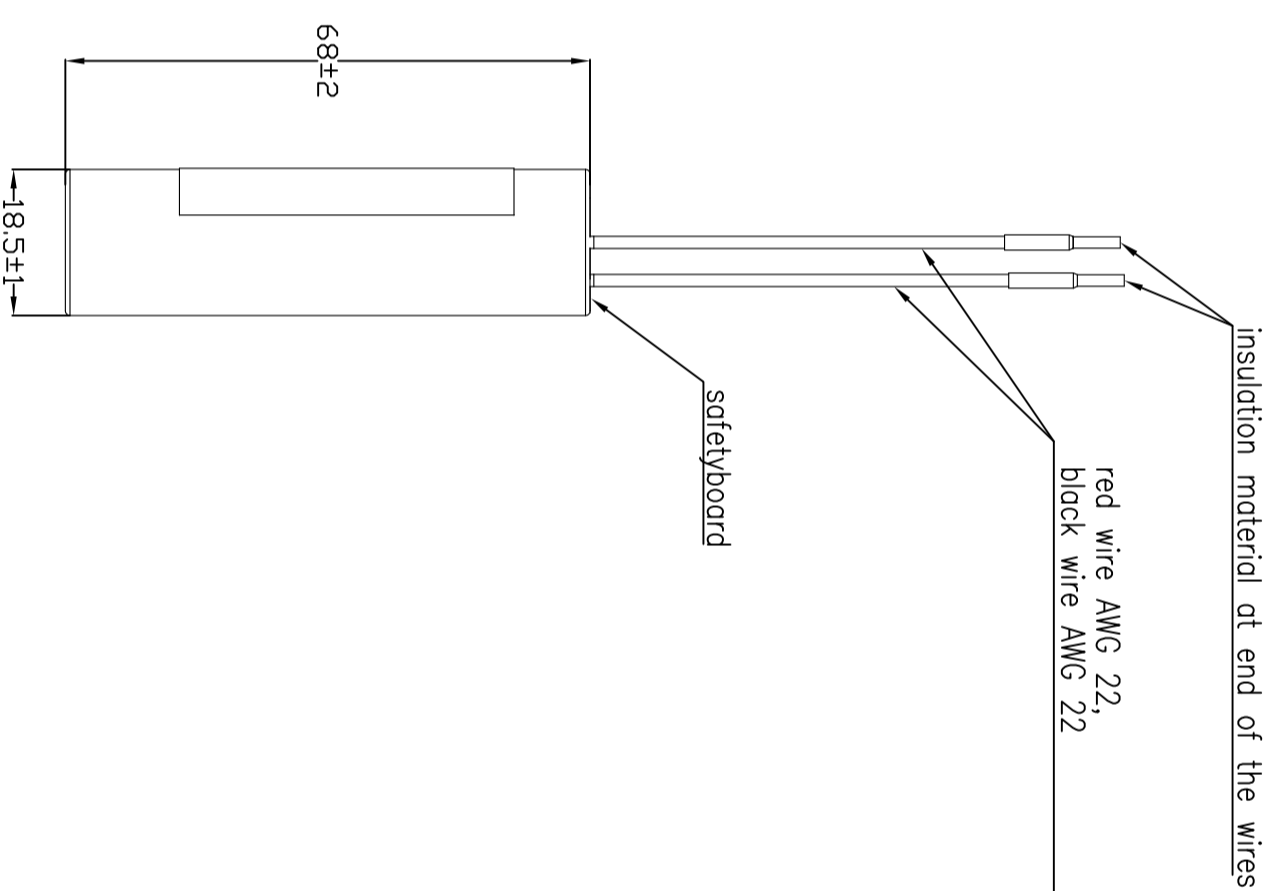
MOSFET : in Masse
in Gnd

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

Leiterplattenmaterial/
pcb material : FR4

Nettogewicht/
net weight : 50.2g

Standards : CE



Verwendungsbereich/Application range		Zul. Abweichung/ Allowable deviation		Oberfläche/ Surface		Maßstab/Scale (DIN A2): 1:1		Gewicht/Weight	
Für Anfrage/for inquiry IS-2016-01263		Allgemeintoleranz DIN ISO 2768-m		2016 Erstellt/ Drawn by Date/Date 13.09 XJ		Li-Ion-3.7V-3450mAh-1S1P-PTC/LG with safetyboard		Zeichnungsnummer/Drawing number 2347-3008-20	
Version	Änderung/Change	Datum/Date	Name	Ursprung/Origin	Proj. IS-2016-01263	Ersatz für/Replaced by	Ersatz durch/Replaced through		Blatt/ Sheet 1
NO	created this D/S	31.10.16	XJ	AR-SMANN					