

Technische Daten/  
technical data : Akkupack/  
battery pack  
Chemie/  
chemistry : Lithium Ion  
Zellenzahl/  
no. of cells : 2 Zellen/ cells ; 1S2P

Zellentyp/  
cell type : INR18650 LGC MJ1

Kapazität/  
capacity : nom. 6900mAh discharge at 0.2C  
min. 6800mAh discharge at 0.2C

Innenwiderstand/  
impedance : < 100mOhm (battery and safetyboard)  
ta:20°C, EV(Discharge End Voltage): 2.5V per cell

Nominalspannung/  
nominal voltage : 3.7V

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

Standard Entladespannung/  
standard discharge voltage : 2.5V

Nominaler Ladestrom/  
nominal charge current : 3000mA (limited by safetyboard)

Maximaler Ladestrom/  
maximum charge current : 3000mA (limited by safetyboard)

Ladeendstrom/  
charge end current : 0.01C recommended

Maximaler Entladesstrom/  
maximum discharge current : 3000mA (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 (0180-3202)

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

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

Entladeschutzspannung/  
over discharge detection voltage : 2.5V±0.1V per cell

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

Nominaler Lade/Entladesstrom/  
nominal operating current : 3A

Entlade Abschaltstrom/  
discharge cut off current : 8.5A± 2A

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

Temperaturerweiterer/  
temperature switch : PTC : JK-P450 20V/4.5A at 25°C; 3.9A at 40°C

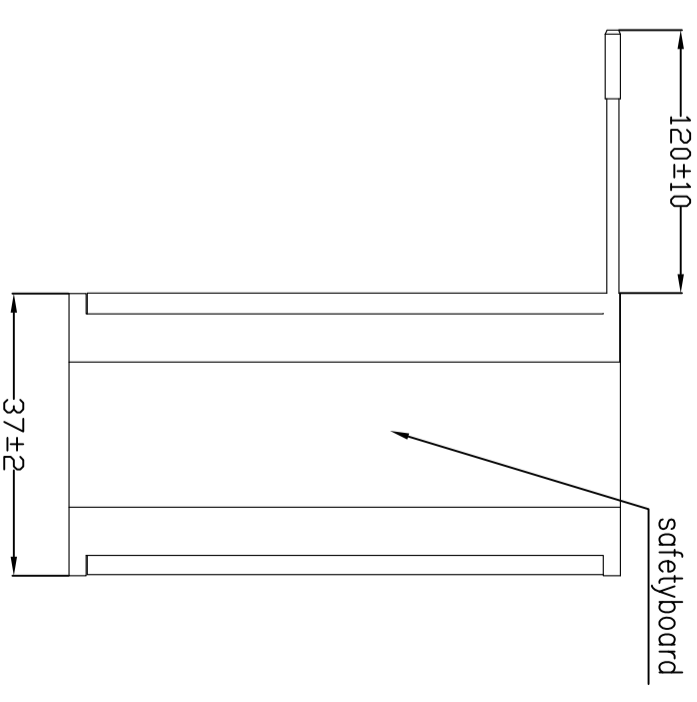
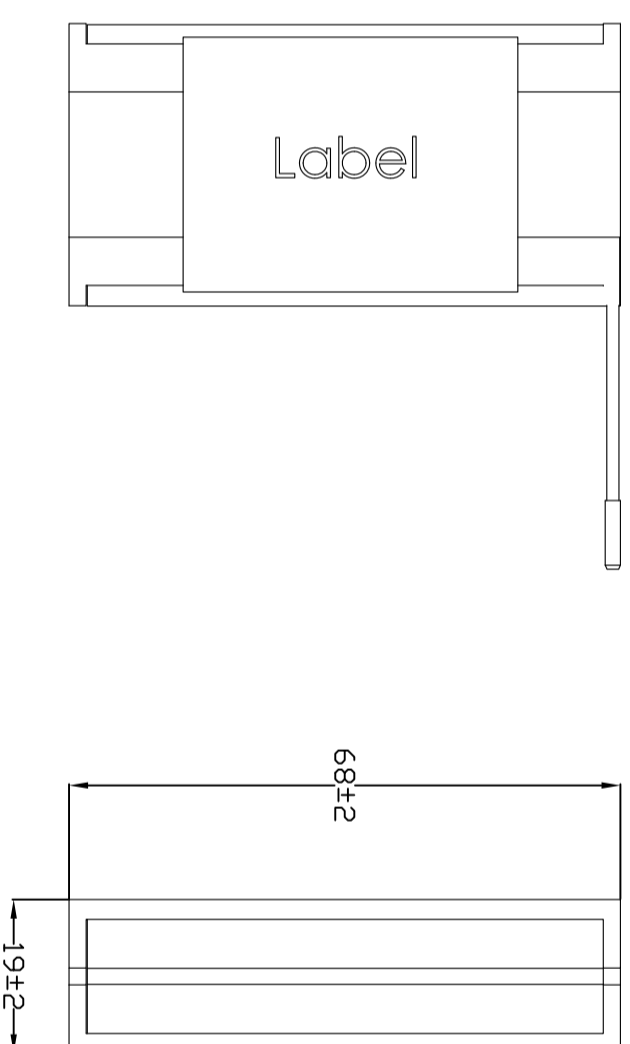
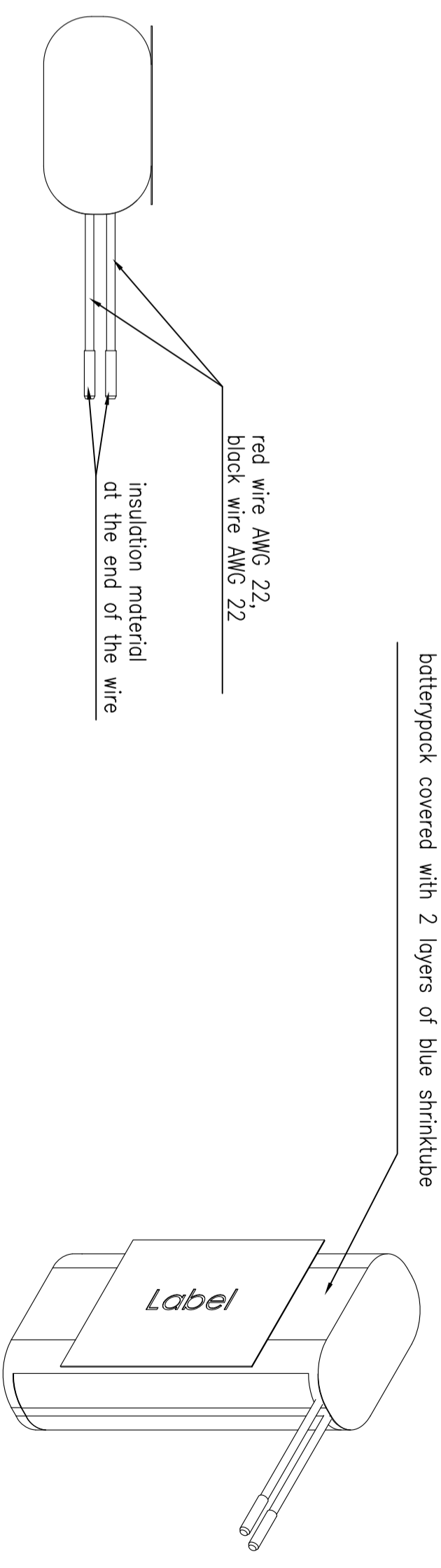
MOSFET : in Masse  
in Gnd

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

Leiterplattenmaterial/  
pcb material : FR4

Nettgewicht/  
net weight : ca./ approx. 100g

Standards : CE



Verwendungsbereich/Application range für Anfrage/for inquiry : IS-2016-01263		Zul. Abweichung/ Allowable deviation DIN ISO 2768-m		Oberfläche/ Surface		Maßstab/Scale (DIN A2): 1:1		Gewicht/Weight	
Version	Änderung/Change	Datum/Date	Name	Ursprung/Origin Proj. IS-2016-01263	Erstellt/ Drawn by	Datum/Date	Name	Zeichnungsname/Drawing name	Ersatz für/Replaced by
V0	created this D/S	07.11.16	JX		2016	07.11.	JX	Li-Ion-3.7V-6900mAh-1s2p-PTC/LG with safetyboard	
				Allgemeintoleranz DIN ISO 2768-m				Zeichnungsnummer/Drawing number Artikelnummer/Part 2447-3033-20	
				AR-SMANN				Blatt/ Sheet 1	
				Ersatz für/Replaced by		Ersatz durch/Replaced through			