

Technische Daten/  
technical data : Akkupack/  
battery pack  
Chemie/  
chemistry : Lithium Ion  
Zellenzahl/  
no. of cells : 2 Zellen/ cells; 2S1P  
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  
< 140mOhm (battery and safetyboard)

Innenwiderstand/  
impedance : 7.4V

Nominalspannung/  
nominal voltage : 8.4V±1%

Standard Ladespannung/  
standard charge voltage : 5.0V

Standard Entladespannung/  
standard discharge voltage : 0.5C

Nominaler Ladestrom/  
nominal charge current : 1C

Maximaler Ladestrom/  
maximum charge current : 0.01C recommended

Ladeendstrom/  
charge end current

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

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

charge max. 1 year  
storage max. 3months

Selbstentladung/  
self discharge : ≤ 5% / month at 20°C  
≤ 10% / month at 30°C  
≤ 20% / month at 40°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

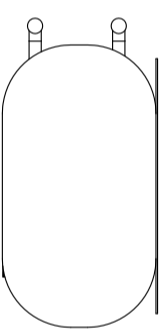
MOSFET : in Masse  
in Gnd

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

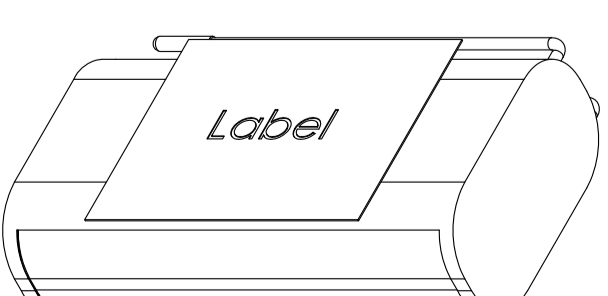
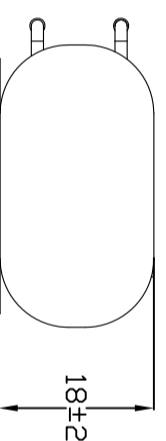
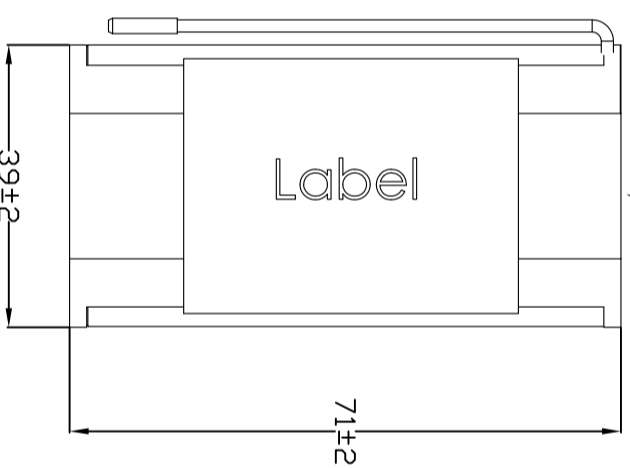
Leiterplattenmaterial/  
pcb material : FR4

Nettogewicht/  
net weight : ca. / approx. 101g

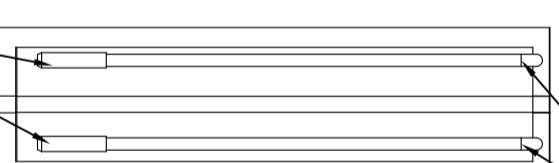
Standards : CE



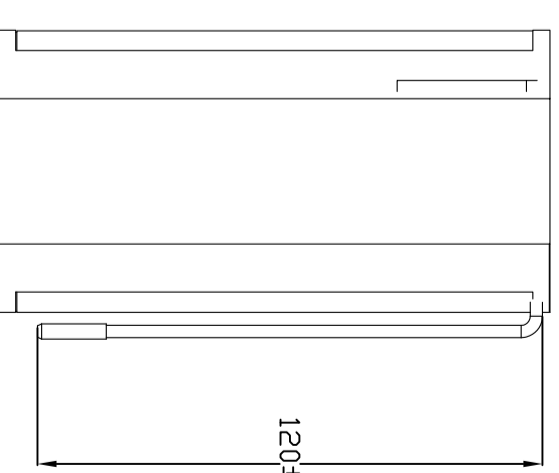
safetyboard



red wire AWG 22,  
black wire AWG 22



insulation material  
at the end of the wire



Battery pack covered with 2 layers of blue shrinktube

Verwendungsbereich/Application range für Anfrage/for inquiry AN-IS-2016-01263		Zul. Abweichung/ Allowable deviation DIN ISO 2768-m		Oberfläche/ Surface	
Version		2016		Datei/Date Name	
Änderung/Change		12.10.		JK	
Datum/Date		12.10.16		JK	
Ursprung/Origin Proj. IS-2016-01263		AR-SMANN		Zeichnungsname/Drawing name Li-Ion-7.4V-3450mAh-2s1p-PTC/LG with safetyboard	
Ersatz für/Replaced by		2447-3030-20		Zeichnungsnummer/Drawing number Artikelnummer/Part number	
Ersatz durch/Replaced through		1		Blatt/ Sheet	