

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 : 5000mA (limited by safetyboard)

Maximaler Entladesstrom/
maximum discharge current : 0°C...+45°C charge

Anwendungstemperaturbereich/
ambient temperature range : -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 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 : 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

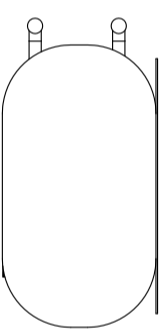
MOSFET : in Masse
in Gnd

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

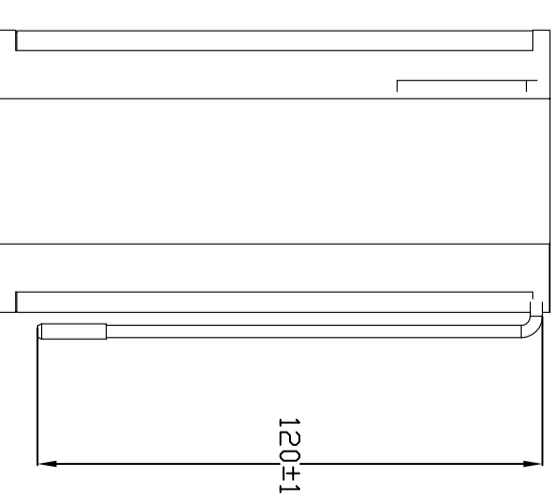
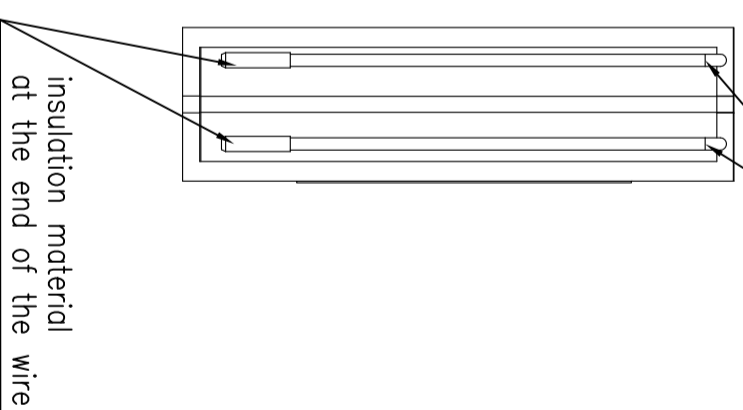
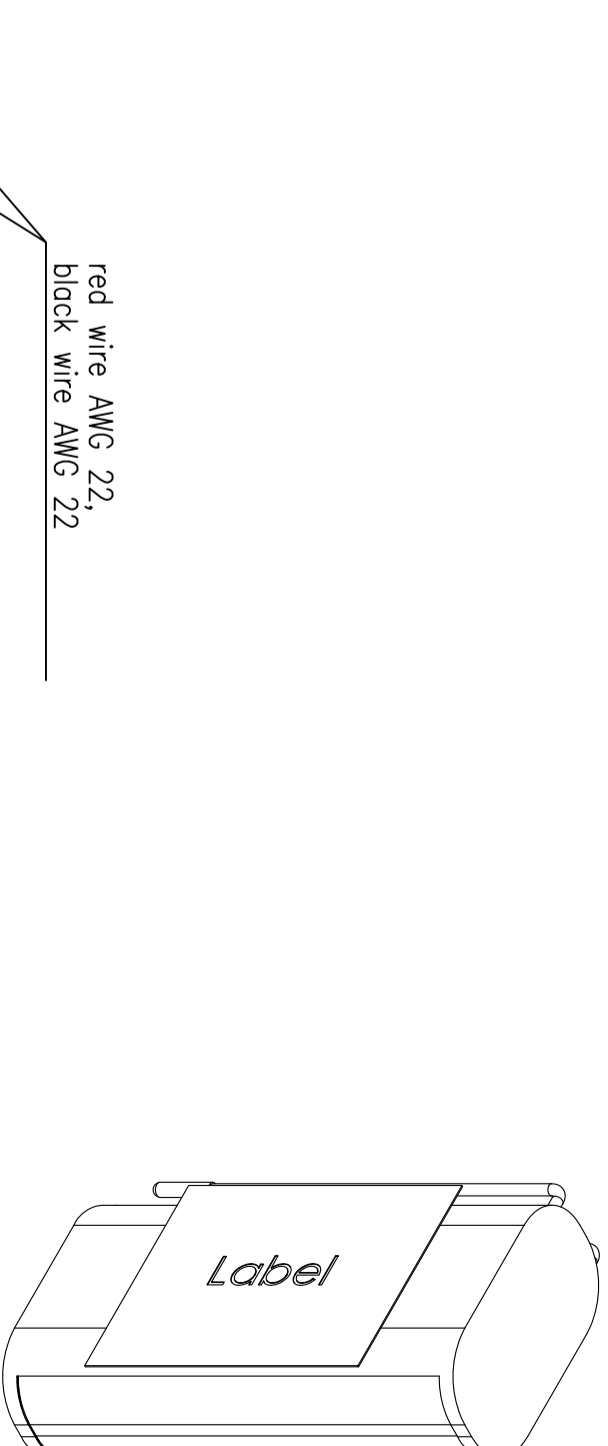
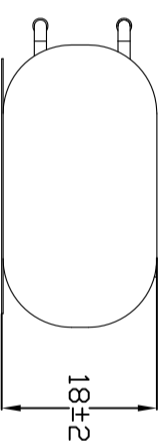
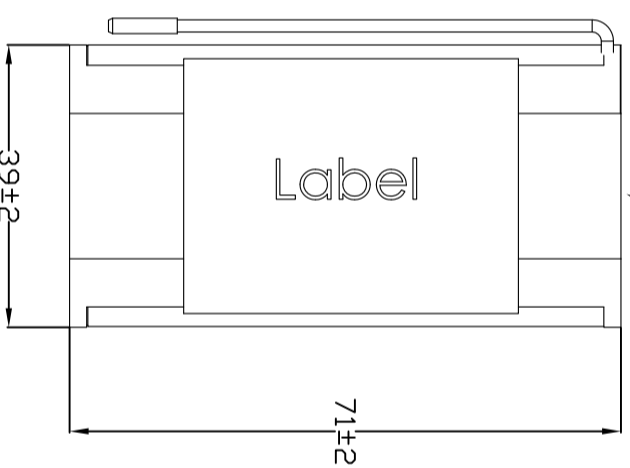
Leiterplattenmaterial/
pcb material : FR4

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

Standards : CE



safetyboard



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		Date	
Änderung/Change		12.10.		JK	
Datum/Date		12.10.16		JK	
Ursprung/Origin		Proj. IS-2016-01263		Ersatz für/Replaced by	
Maßstab/Scale (DIN A2): 1:1		Gewicht/Weight		Blatt/ Sheet	
Werkstoff/Work material, Modell-Nr.		Zeichnungsname/Drawing name		2447-3030-20	
Li-Ion-7.4V-3450mAh-2s1p-PTC/LG with safetyboard		Zeichnungsnummer/Drawing number		1	
Artikelnummer/Part number		2447-3030-20		1	
Ersatz für/Replaced by		Ersatz durch/Replaced through			