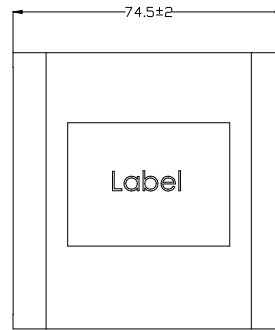
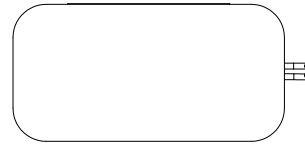


The supplier acknowledges that, with the acceptance of the drawing, he is in a position to manufacture the described part in accordance with the drawing. He is responsible for the accuracy of the drawing. The manufacturer is not responsible for the accuracy of the drawing. The manufacturer is not responsible for the accuracy of the drawing. The manufacturer is not responsible for the accuracy of the drawing.

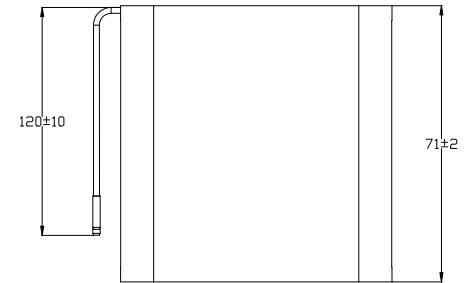
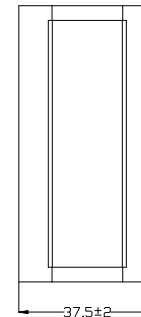
- Technische Daten/
technical data : Akkupack/
battery pack
- Chemie/
chemistry : Lithium Ion
- Zellenzahl/
no. of cells : 8 Zellen/ cells ; 4S2P
- Zellentyp/
cell type : INR18650 LGC MJ1
- Kapazität/
capacity : nom. 7000mAh discharge at 0.2C
min. 6700mAh discharge at 0.2C
ta:20°C; EV(Discharge End Voltage): 2.5V per cell
- Innenwiderstand/
impedance : < 180mOhm (battery and safetyboard)
- Nominalspannung/
nominal voltage : 14.54V
- Standard Ladespannung/
standard charge voltage : 16.8V±1%
- Standard Entladespannung/
standard discharge voltage : 10V
- Nominaler Ladestrom/
nominal charge current : 0.5C
- Maximaler Ladestrom/
maximum charge current : 4000mA (limited by safetyboard)
- Ladeendstrom/
charge end current : 0.01C recommended
- Maximaler Entladestrom/
maximum discharge current : 4000mA (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 (0180-3199)

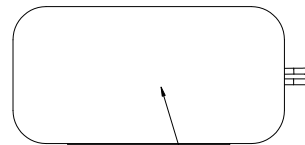
- Überladeschutzspannung/
over charge voltage detection : 4.35V±25mV per cell
- Wiedereinschaltspannung/
over charge release voltage : 4.15V±50mV per cell
- Entladeabschaltspannung/
over discharge detection voltage : 2.4V±80mV per cell
- Wiedereinschaltspannung/
over discharge release voltage : 3.0V±100mV per cell
- Nominaler Lade/Entladestrom/
nominal operating current : 4A
- Entlade Abschaltstrom/
discharge cut off current : 15A± 5A
- Kurzschlusschutz/
short circuit protection : gegen äußeren Kurzschluss/
against external short circuit
- Temperaturerhalter/
temperature switch MOSFET : PTC : JK-P600 20V/6A at 25°C; 5.2A at 40°C
in Pluszweig/
in positive path
- Rückstellkriterium/
release condition : Last trennen, Aktiv nach Anladen/
cut load, release after charging up
- Leiterplattenmaterial/
pcb material : FR4
- Nettogewicht/
net weight : 390 g
- Standards : CE



red wire AWG 22
black wire AWG 22



battery pack covered with 2 layer of blue shrinktube



safetyboard

Part Number	SAP Description
2447-3035-20	Li-Ion-14.54V-7000mAh-4S2P-PTC/LG
2447-3035-220	Li-Ion-14.54V-7000mAh-4S2P-PTC/UK

Verwendungsbereich/Application range für Anfrage/for inquiry :IS-2017-xxxxx		Zul. Abweichung/ Allowable deviation	Oberfläche/ Surface	Maßstab/Scale (DIN A2): 1:1	Gewicht/Weight
		Allgemeintoleranz DIN ISO 2768-m		Werkstoff/Work material, Modell-Nr.	
		2017	Datum/Date 12.01.	Name JX	Zeichnungsname/Drawing name
					Li-Ion-14.54V-7000mAh-4S2P-PTC/LG with safetyboard
V1	part number overview added	15.04.19	DS	Zeichnungsnummer/Drawing number Artikelnummer/Part number 2447-3035-XXX	
VO	created this D/S	Dec.05.17	JX		
Version	Änderung/Change	Datum/Date	Name	Ursprung/Origin Proj. IS-2017-xxxxx	Ersatz für/Replaced by