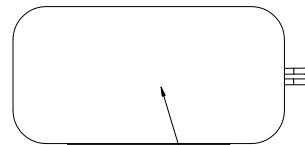
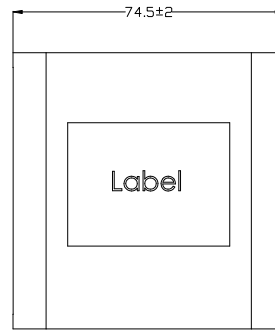
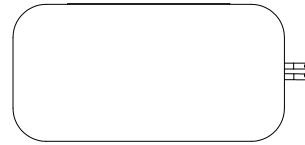


The supplier acknowledges that, with the acceptance of the drawing, he is a participant in manufacturing the described part in accordance with the drawing. He is responsible for the accuracy of the drawing. He is not responsible for the accuracy of the drawing. He is not responsible for the accuracy of the drawing. He 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  
 Nominale 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)

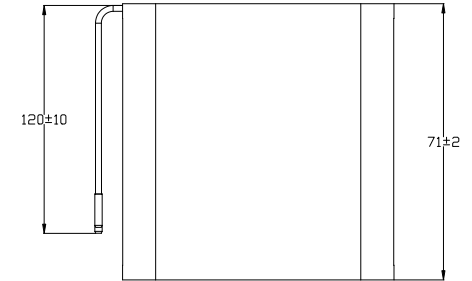
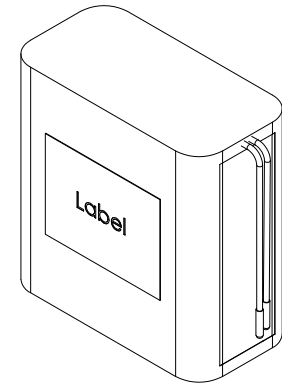
- Überladeschutzspannung/  
 over charge voltage detection : 4.35V±25mV per cell  
 Wiedereinschaltspannung/  
 over charge release voltage : 4.15V±50mV per cell  
 Entladeabschaltspannung/  
 over discharge detection voltage : 2.4V±80mV per cell  
 Wiedereinschaltspannung/  
 over discharge release voltage : 3.0V±100mV per cell  
 Nominale 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  
 Temperaturschalter/  
 temperature switch : PTC : JK-P600 20V/6A at 25°C; 5.2A at 40°C  
 MOSFET : im 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

isolation  
at the end of the wire

safetyboard



battery pack covered with 2 layer of blue shrinktube

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 Name	Zeichnungsname/Drawing name	
		Zeichner/ Drawn by	12.01.	JX	Li-Ion-14.54V-7000mAh-4S2P-PTC/LG with safetyboard
V1	part number overview added	15.04.19	DS	Zeichnungsnummer/Drawing number	
VO	created this D/S	Dec.05.17	JX	Artikelnummer/Part number	
		ANSMANN		2447-3035-XXX	Blatt/ Sheet 1
Version	Änderung/Change	Datum/Date	Name	Ursprung/Origin Proj. IS-2017-xxxxx	Ersatz für/Replaced by
				Ersatz durch/Replacement through	