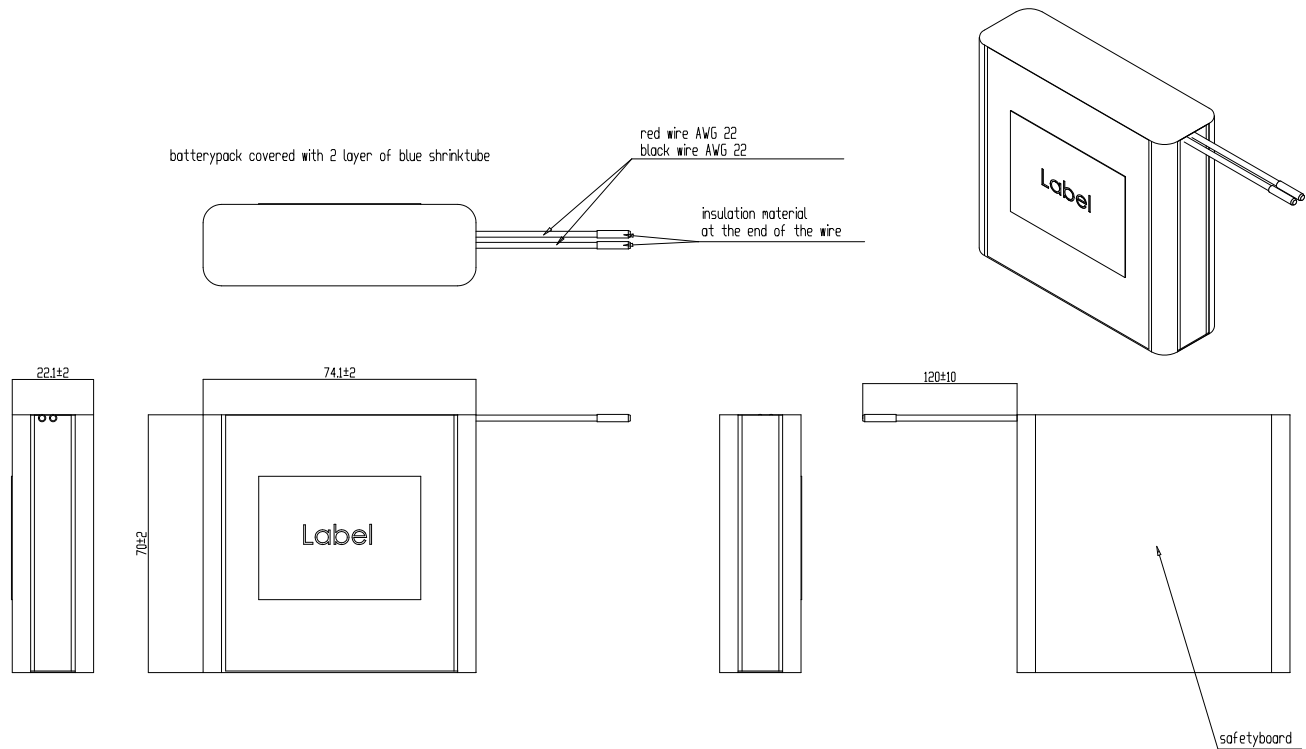


The supplier acknowledges that, with the acceptance of the drawing, he is obliged to manufacture the illustrated part in accordance with the drawing in accordance with the requirements of the customer. The customer is not liable for any damage caused by the use of the drawing. The customer is not liable for any damage caused by the use of the drawing.

Technische Daten/ technical data	:	Akkupack/ batterypack
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	4 Zellen/ cells ; 4S1P
Zellentyp/ cell type	:	INR18650 LGC MJ1
Kapazität/ capacity	:	nom. 3500mAh discharge at 0.2C min. 3350mAh discharge at 0.2C to:20°C; EV(Discharge End Voltage): 2.5V per cell
Innenwiderstand/ impedance	:	< 240mOhm (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	:	1C
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 batterypacks 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
Temperaturumschalter/ temperature switch	:	PTC : JK-P600 20V/6A at 25°C; 5.2A at 40°C
MOSFET	:	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	:	203.2g
Standards	:	CE



Part Number	SAP Description
2447-3032-20	Li-Ion-14.5V-3500mAh-4S1P-PTC/LG
2447-3032-220	Li-Ion-14.5V-3500mAh-PTC/UK

Application range for inquiry	Allowable deviation general Tolerances	Tolerance principle:	Model:	Material:
	DIN ISO 2768-m	ISO 8015	Scale (DN A2):	All dimensions in mm
	2016	Date	1:1	Weight:
	Drawn by	12.10.	JX	
	Approved by			
V3 part number overview odded	15.04.19	DS	Drawing name	
V2 cable length changed	16.01.18	DS	Li-Ion-14.5V-3500mAh-4S1P-PTC/LG	
V1 change request DE-17-0071	14.11.17	DS	with safetyboard	
V0 created this D/S	12.10.16	JX	Drawing number	Sheet
			2447-3032-XXX	1/1
Version	Change	Date	Name	Project: 65-206-0063
				Replaced by:
				Replacement through: