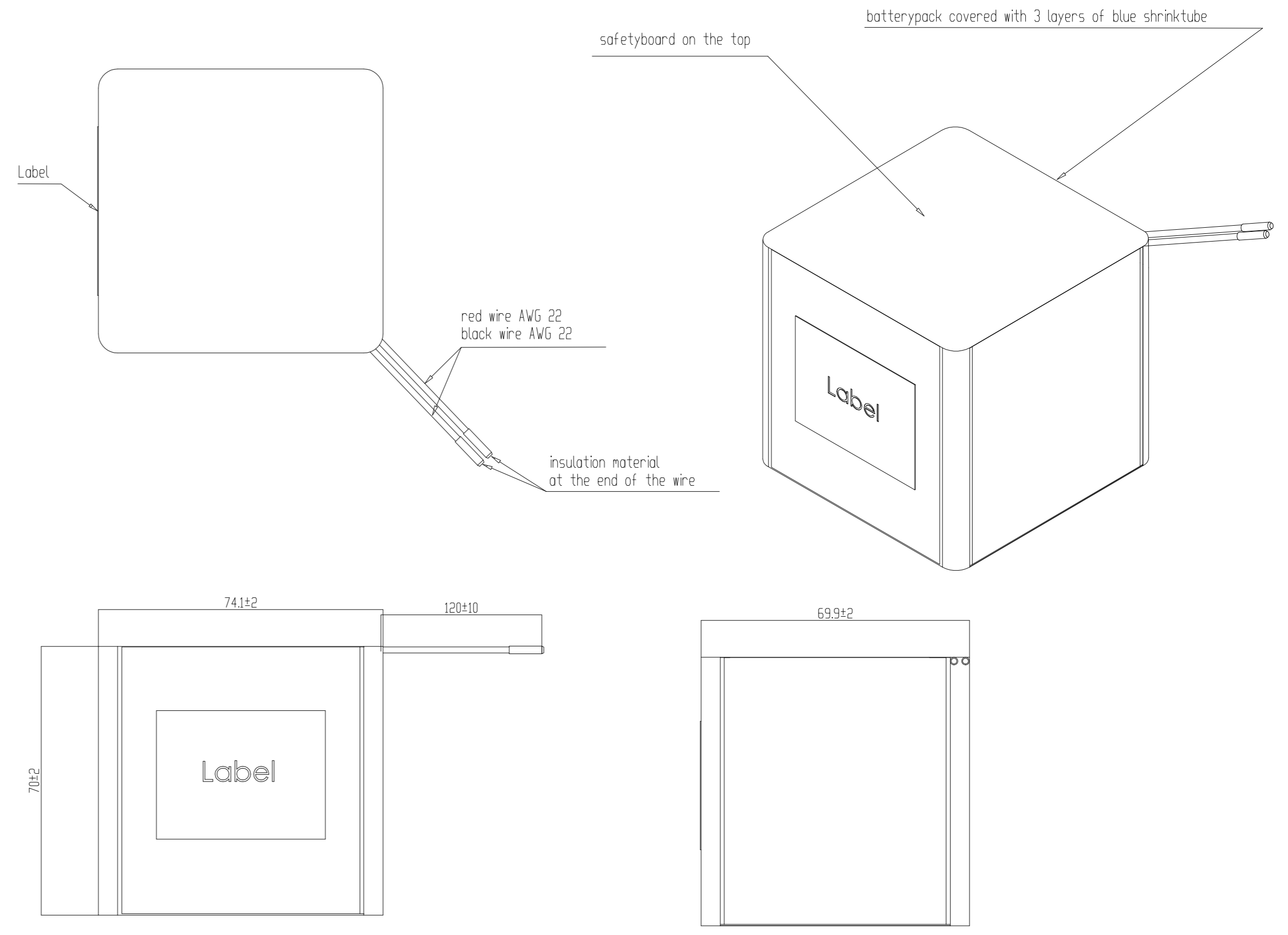


The supplier acknowledges that, with the acceptance of this drawing, he is in a position to manufacture the object in accordance with the drawing in reproducible quantities. The drawing is not to be copied, reproduced or made available to third parties in any way whatsoever without or prior written approval of the component manufacturer. Verbal agreements over and above that are not valid. Deviations from this rule must be written and must be signed by the purchaser.

Technische Daten/ technical data	:	Akkupack/ batterypack
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	16 Zellen/ cells ; 4S4P
Zellentyp/ cell type	:	INR18650 LGC MJ1
Kapazität/ capacity	:	nom. 14000mAh discharge at 0.2C min. 13400mAh discharge at 0.2C  ta:20°C; EV(Discharge End Voltage): 2.5V per cell
Innenwiderstand/ impedance	:	< 160mOhm (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	:	4000mA (limited by safetyboard)
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 at 20°C ≤ 10% / month at 30°C ≤ 20% / month at 40°C
Standards/ technical data	:	UN 3480, Subsection 38.3 All cells and batterypacks type tested according to UN manual of test and criteria subsection 38.3
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	:	3V±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
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
Nettogewicht/ net weight	:	approx 776.4g
Leiterplattenmaterial/ pcb material	:	FR4
Standards	:	CE



Part Number	SAP Description
2447-3099-20	Li-Ion-14.54V-14000mAh-4S4P-block-PTC/LG
2447-3099-220	Li-Ion-14.54V-14Ah-4S4P-block-PTC/UK

Application range for inquiry	Allowable deviation general tolerances	Tolerance principle:	Model:	Material:	Weight:
	DIN ISO 2768-m	ISO 8015	Scale (DIN A2): 1:1	All dimensions in mm	
	2016	Date	Name	Drawing name	
	Drawn by	29.09.	JX	Li-Ion-14.54V-14000mAh-4S4p-block-PTC/LG with safetyboard	
V4	change request: DE-20-5013	17.02.20	MSL	Drawing number	
V3	part number overview added	15.04.19	DS	Part number	
V2	cable length changed	16.01.18	DS	2447-3099-X20	
V1	change request DE-17-0071	14.11.17	DS	Sheet 1/1	
V0	created this D/S	29.09.16	JX	Replaced by:	
Version	Change	Date	Name	Replacement through:	

