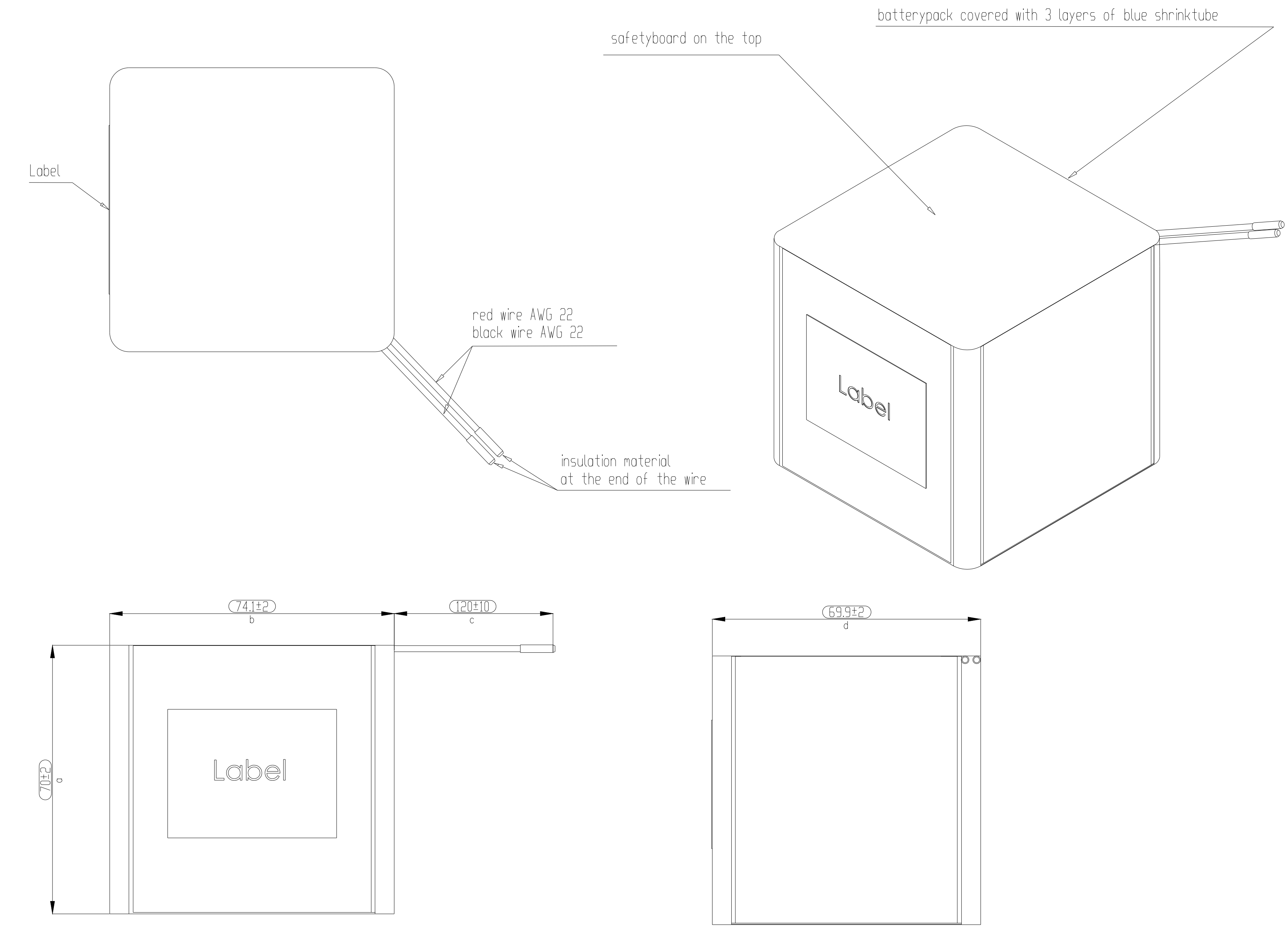


Technische Daten/ technical data	:	Akkupack/ batterypack
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	16 Zellen/ cells ; 4S4P
Zellentyp/ cell type	:	INR18650 LGC MJI
Kapazität/ capacity	:	nom. 14000mAh discharge at 0.2C min. 13400mAh discharge at 0.2C ta20°C; EV(Discharge End Voltage): 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 at20°C ≤ 10% / month at30°C ≤ 20% / month at40°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	:	in 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, UKCA



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

Allowable deviation general tolerances		Surface:		Material:		Weight	
DIN ISO 2768-m				Scale (DIN A2): 1:1		Projection method 1	
Date		Name		Product name:			
29.09.2016		JX		Li-Ion-14.54V-14Ah-4S4P-block-PTC			
Drawn by		Changed by		Part number		Project:	
V5 standards changed 09.06.2021 DS		V4 change request: DE-20-5013 17.02.2020 MST		2447-3099-X20		IS-01263	
V3 part number overview added 15.04.2019 DS		V2 cable length changed 16.01.2018 DS		Application range for inquiry		Sheet	
V1 change request DE-17-0071 14.11.2017 DS		V0 created this D/S 29.09.2016 JX		XXX/XX		1/1	
Version Change		Date Name					

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The supplier acknowledges that, with the acceptance of the drawing, he is in a position to manufacture the illustrated part in accordance with the drawing in reproducible quantities. The drawing must be signed by the purchaser.