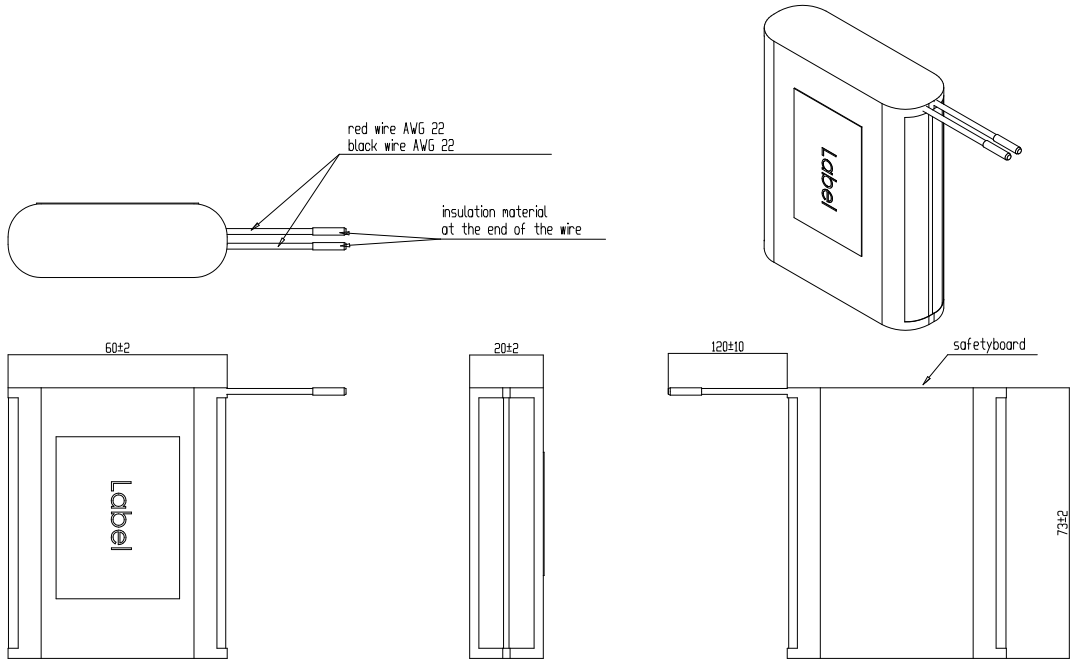


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Technische Daten/ technical data	:	Akkupack/ batterypack
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	3 Zellen/ cells ; 3S1P
Zellentyp/ cell type	:	INR18650 LGC MJ1
Kapazität/ capacity	:	nom. 3500mAh discharge at 0.2C min. 3350mAh discharge at 0.2C ta20°C; EV(Discharge End Voltage): 2.5V per cell
Innenwiderstand/ impedance	:	< 200mOhm (battery and safetyboard)
Nominalspannung/ nominal voltage	:	10.905V
Standard Ladespannung/ standard charge voltage	:	12.6V±1%
Standard Entladespannung/ standard discharge voltage	:	7.5V
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	:	5000mA (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 (0180-3030)
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	:	5A
Entlade Abschaltstrom/ discharge cut off current	:	12A±2A
Kurzschlusschutz/ short circuit protection	:	gegen äußeren Kurzschluss/ against external short circuit
Temperaturschalter/ temperature switch	:	PTC : JK-P730 20V/7.3A at 25°C; 6.2A 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	:	151g
Standards	:	CE



batterypack covered with 2 layers of blue shrinktube

Application range for inquiry				Allowable deviation general tolerances		Tolerance principle:		Model:		Material:		
						DIN ISO 2768-m	ISO 8015	Scale (DIN A2): 1:1		All dimensions in mm		Weight:
						2016	Date	Name	Drawing name Li-Ion-10.9V-3500mAh-3S1P-PTC/LG with safetyboard			
						12.10.	JX					
						Approved by						
V2	cable length changed	16.01.18	DS					Drawing number Part number		2447-3031-20		
V1	change request DE-17-0071	14.11.17	DS									
V0	technical data corrected	20.12.16	JX									
Version	Change	Date	Name	Project: 15-20K-0003				Replaced by:		Replacement through:		