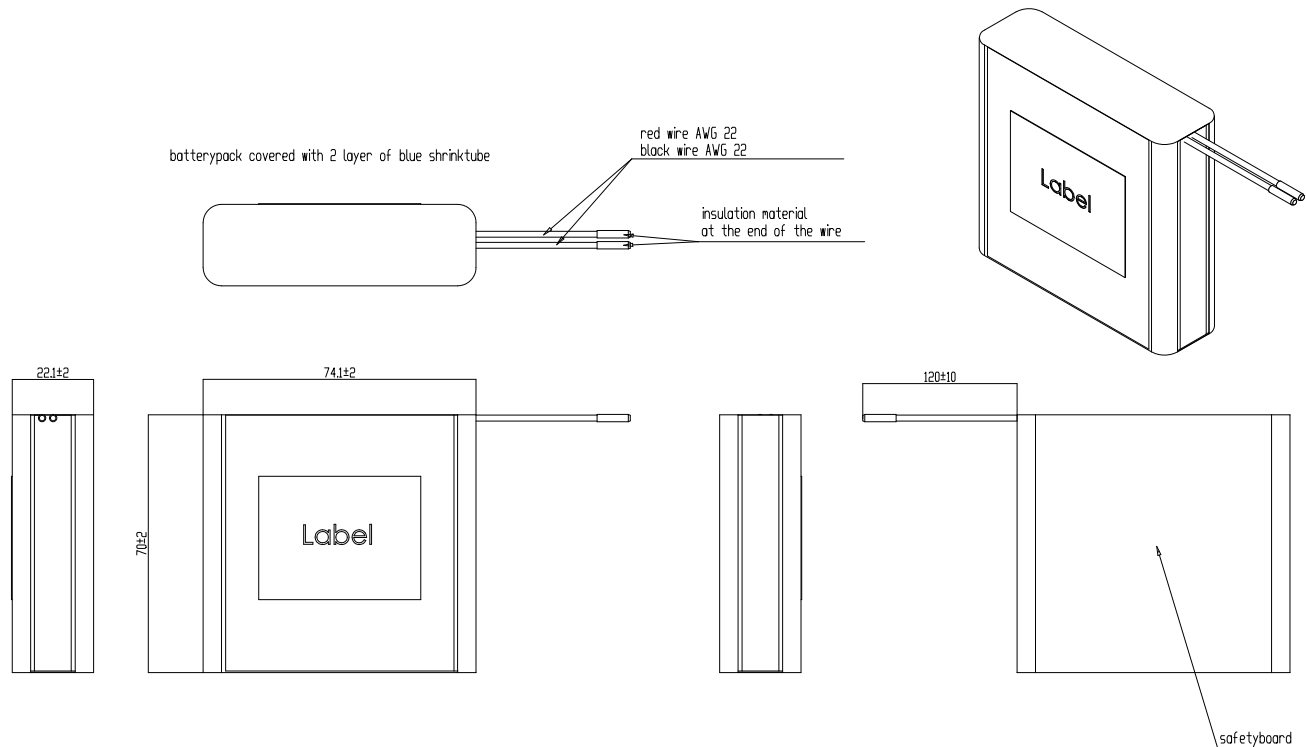


The supplier acknowledges that, with the acceptance of the drawing, he is liable to manufacture the illustrated part in accordance with the drawing. He is responsible for the correctness of the drawing. He is not liable for any errors or omissions in the drawing. He is not liable for any errors or omissions in the drawing. He is not liable for any errors or omissions in the drawing.

- Technische Daten/
 technical data : Akkupack/
 battery pack
 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
 ta: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
 Nominale 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 at 20°C
 ≤ 10% / month at 30°C
 ≤ 20% / month at 40°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
 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



Application range for inquiry		Allowable deviation general tolerances		Tolerance principle:		Model:		Material:	
		DIN ISO 2768-m		ISO 8015		Scale (DN A2): 1:1		All dimensions in mm	
		2016	Date	Name		Drawing name			
		Drawn by	12.10.	JX		Li-Ion-14.5V-3500mAh-4S1P-PTC/LG with safetyboard			
		Approved by				Drawing number Part number			
						2447-3032-20 Sheet 1/1			
V2	cable length changed	16.01.18	DS			Replaced by:			
V1	change request DE-17-0071	14.11.17	DS			Replacement through:			
V0	created this D/S	12.10.16	JX						
Version	Change	Date	Name	Project: IS-206-0063					