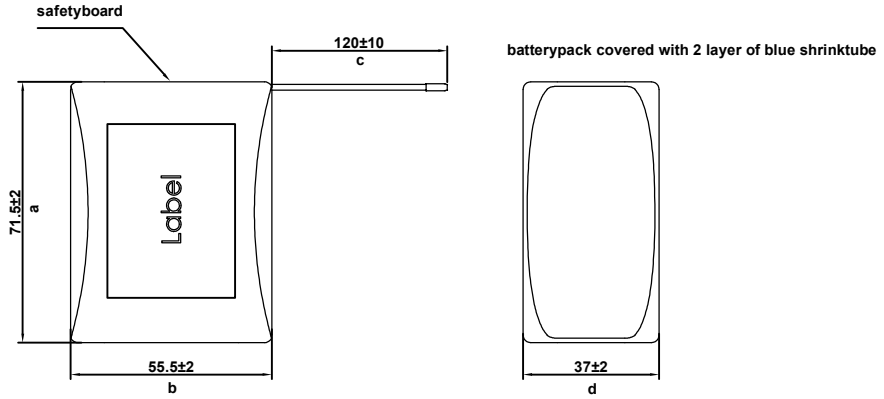
The supplier acknowledges that, with the acceptance of the drawing, he is in a position to manufacture the illustrated part in accordance with the drawing in reproducible from and series production. Through the selected manufacturing processes no impairments will arise in the material and structure which could subsequently lead to an impairment of the component. Verbal agreements over and above that are not valid. Deviations from this rule must be writing and must be signed by the purchaser.

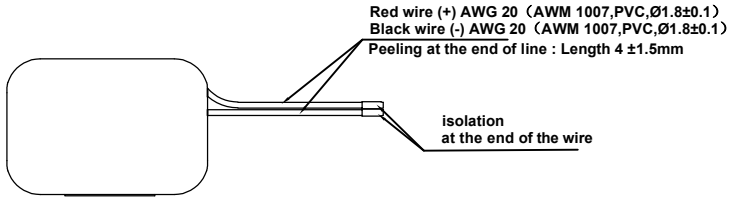
This drawing may not be copied, reproduced or made available to third parties in any way whatsoever without our prior written approval.

Technische Daten/ technical data	:	Akkupack/ batterypack
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	6 Zellen/ cells INR18650-CH-BAK; 3S2P
Kapazität/ capacity	:	nom. 5200mAh discharge at 0.2C min. 5000mAh discharge at 0.2C ta:25°C; EV(Discharge End Voltage): 2.75V per cell C=nom capacity
Innenwiderstand/ impedance	:	------
Nominalspannung/ nominal voltage	:	10.8V
Standard Ladespannung/ standard charge voltage	:	12.6 V
Überladeschutzspannung/ over charge voltage detection	:	12.6 V ± 105mV
Wiedereinschaltspannung/ over charge release voltage	:	12.3 V ± 150mV
Entladeabschaltspannung/ over discharge detection voltage	:	8.1 V ± 240mV
Wiedereinschaltspannung/ over discharge release voltage	:	9.0 V ± 300mV
Nominaler Ladestrom/ nominal charge current	:	2.6 A
Maximaler Ladestrom/ maximum charge current	:	5.2 A
Ladeendstrom/ charge end current	:	52 mA
Maximaler Entladestrom/ maximum discharge current	:	5.2 A
Entlade Abschaltstrom/ discharge cut off current	:	11.1 A ± 2.0 A
Kurzschlussschutz/ short circuit protection	:	gegen äußeren Kurzschluss/ against external short circuit
Rückstellkriterium/ release condition	:	Last trennen, Aktiv nach Anladen/ cut load, release after charging up

Anwendungstemperaturbereich/ ambient temperature range	:	0°C...+45°C	charge
		-20°C...+60°C	discharge
		-20°C...+25°C	storage max. 1 year
		-20°C...+45°C	storage max. 3months

Standards/ :
1. UN 3480, Subsection 38.3
   All cells and batterypacks type tested according to UN manual of test and criteria subsection 38.3
2. IEC 62133-2:2017





Version	Change	Date	Name
V2	Update Standards	2024.11.15	Hong
V1	Update reference Remarks	2024.08.01	Hong
V0	Create this file	2024.06.03	Hong

Application range for inquiry

Allowable deviation general tolerances

Tolerance principle:

	Date	Name
Drawn by	2024.06.03	Hong
Approved by		

Project:

Model:

Material:

Scale (DIN A2): 1:1

All dimensions in mm

Weight: 280g

Drawing name: Li-Ion-10.8V-5200mAh-3s2p-CH-BAK

Drawing number / Part number: 2447-3050-60

Sheet: 1/1

Replaced by:

Replacement through: