THE DATASHEET OF

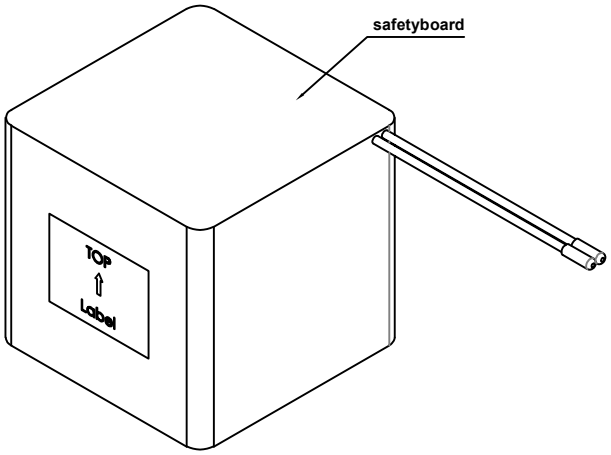
2447-3099-50-XX

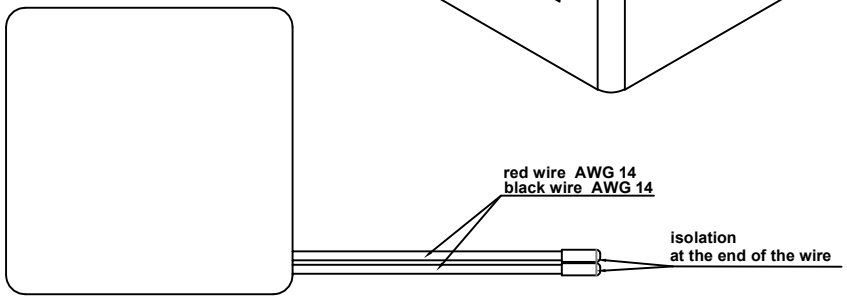
The supplier acknowledges that, with the acceptance of the drawing, he is in a position to manufacture the illustrated part in accordance with the drawing in reproducible from and series production. Through the selected manufacturing processes no impairments will arise in the material and structure which 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.

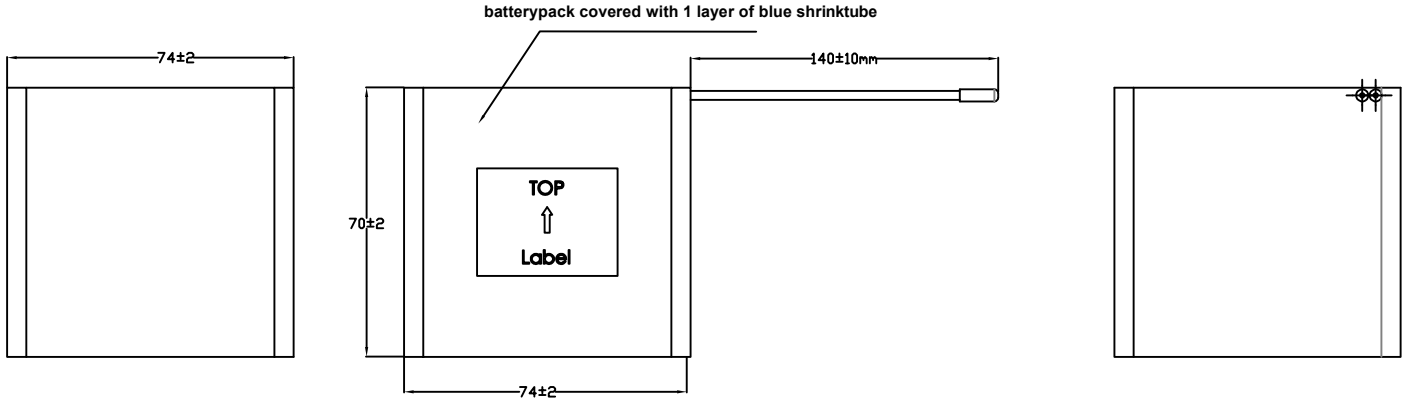
This drawing may not be copied, reproduced or made available to third parties in any way whatsoever without or prior written approval.

Technische Daten/ technical data	:	Akkupack/ batterypack
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	16 Zellen/ cells INR18650-CQ-BAK; 4S4P
Kapazität/ capacity	:	nom. 10200mAh discharge at 0.2C min. 10000mAh discharge at 0.2C ta:20°C; EV(Discharge End Voltage): 2.75V per cell
Innenwiderstand/ impedance	:	------
Nominalspannung/ nominal voltage	:	14.4V
Standard Ladespannung/ standard charge voltage	:	16.8V±1%
Standard Entladespannung/ standard discharge voltage	:	11.0V
Nominaler Ladestrom/ nominal charge current	:	0.5C
Maximaler Ladestrom/ maximum charge current	:	10.2A
Ladeendstrom/ charge end current	:	0.01C recommended
Maximaler Entladestrom/ maximum discharge current	:	10.2A
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
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	
Überladeschutzspannung/ over charge voltage detection	:	4.25V±40mV	per cell
Wiedereinschaltspannung/ over charge release voltage	:	4.13V±50mV	per cell
Entladeabschaltspannung/ over discharge detection voltage	:	2.5V±80mV	per cell
Wiedereinschaltspannung/ over discharge release voltage	:	2.7V±100mV	per cell
Nominaler Lade/Entladestrom/ nominal operating current	:	13.4A	
Entlade Abschaltstrom/ discharge cut off current	:	40.0A±15%	
Kurzschlussschutz/ short circuit protection	:	gegen äußeren Kurzschluss/ against external short circuit	
Temperarurschalter/ temperature switch	:	------	
MOSFET	:	im Pluszweig/ in positive path	
Rückstellkriterium/ release condition	:	Last trennen, Aktiv nach Anladen/ cut load, release after charging up	
Nettogewicht/ net weight	:	------	
Leiterplattenmaterial/ pcb material	:	FR4	
Standards	:	CE	







Application range for inquiry			
V2	updated text font	2023.07.07	HONG
V1	Modify parameter remark	2022.04.07	HONG
V0	Create this data	2022.01.26	HONG
Version	Change	Date	Name

Allowable deviation general tolerances		Tolerance principle:
DIN ISO 2768-m		ISO 8015
2021	Date	Name
Drawn by	01.26	HONG
Approved by		

ARSMANN

Project: 710579

Model:	Material:
Scale (DIN A2): 1:1	All dimensions in mm
Weight:	
Drawing name	Li-Ion-14.4V-10.2Ah-4s4p-CQ-BAK
Drawing number Part number	2447-3099-50
Sheet	1/1
Replaced by:	Replacement through:

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