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Technische Daten/ technical data	:	Akkupack/ battery pack
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	8 Zellen/ cells INR18650-CQ-BAK; 4S2P
Kapazität/ capacity	:	nom. 5100mAh discharge at 0.2C min. 5000mAh discharge at 0.2C ta:20°C; EV(Discharge End Voltage): 2.75V per cell C=min capacity

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	:	5.0A
Ladeendstrom/ charge end current	:	0.01C recommended
Maximaler Entladestrom/ maximum discharge current	:	5.1A
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

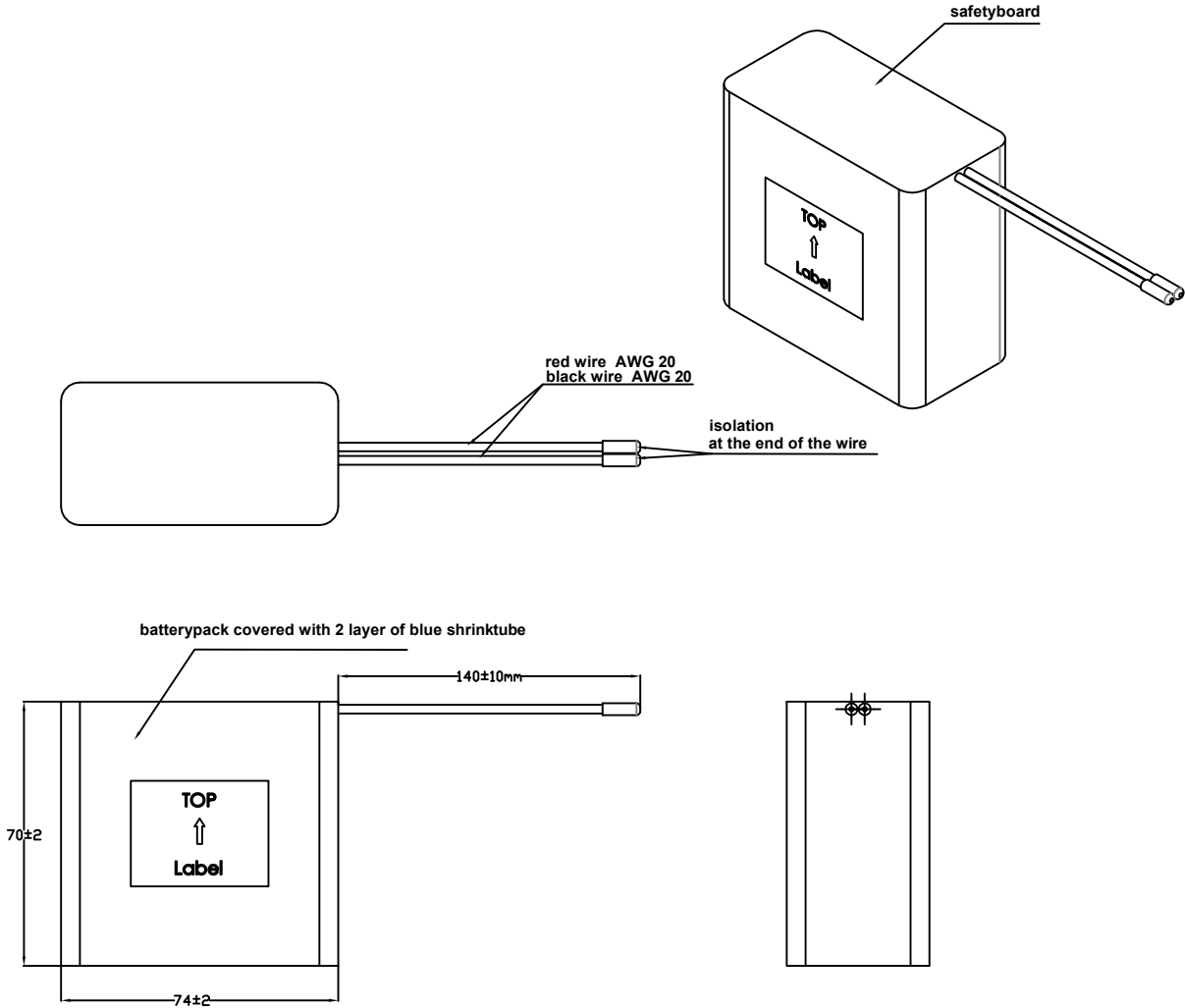
Selbstentladung/ self discharge	:	≤ 5% / month at20°C ≤ 10% / month at30°C ≤ 20% / month at40°C
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Standards/	:	UN 3480, Subsection 38.3 All cells and battery packs type tested according to UN manual of test and criteria subsection 38.3
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Technische Daten/ technical data	:	Sicherheitsschaltung/ safety board
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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	:	6.7A	
Entlade Abschaltstrom/ discharge cut off current	:	20.0A±15%	
Kurzschlusschutz/ short circuit protection	:	gegen äußeren Kurzschluss/ against external short circuit	
Temperaturumschalter/ 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				Allowable deviation general tolerances		Tolerance principle:		Model:		Material:		
				DIN ISO 2768-m		ISO 8015		Scale (DIN A2): 1:1		 All dimensions in mm		Weight:
				2022	Date	Name		Drawing name				
				Drawn by	24.01	HONG		Li-Ion-14.4V-5100mAh-4s2p-CQ-BAK				
				Approved by								
V3	updated text font	2023.07.07	HONG									
V2	Modify shrinktube	2022.12.14	HONG					Drawing number				Sheet
V1	Add capacity information	2022.04.13	HONG					Part number		2447-3035-50		1/1
V0	Create this data	2022.01.24	HONG									
Version	Change	Date	Name	Project: 710579		Replaced by:		Replacement through:				

