



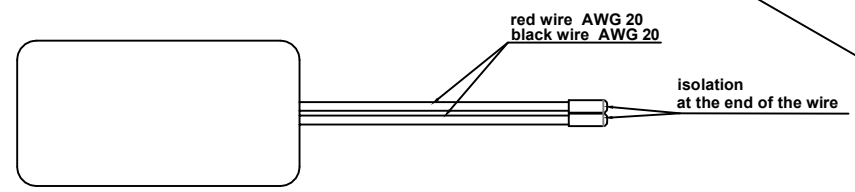
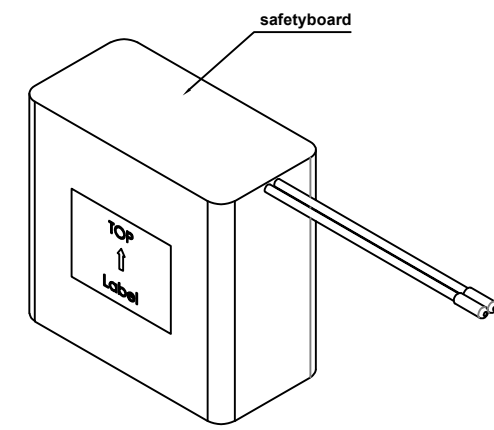
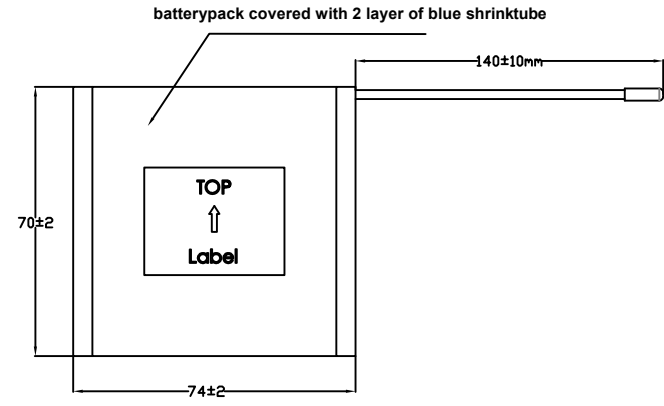
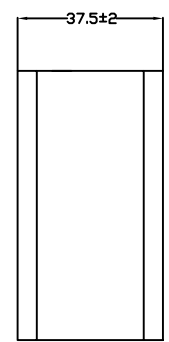
THE DATASHEET OF
2447-3035-50-XX



The supplier acknowledges that, with the acceptance of this drawing, this is a position to manufacture the illustrated part in accordance with the drawing. It is not possible to reproduce the drawing and series production. The manufacturer is responsible for the accuracy of the drawing. The manufacturer is not liable for any damage or loss of data which could subsequently lead to an impairment of the component. Verbal agreements over and above the standard are not valid. Deviations from this standard must be written and must be signed by the purchaser.

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
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
Überladeschutzspannung/ over charge voltage detection	:	4.25V±240mV 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	
		2022		Date		Name		Weight:	
		24.01		HONG		Drawing name			
		Approved by				Li-Ion-14.4V-5100mAh-4s2p-CQ-BAK			
V3	updated text font	2022.07.07	HONG			Drawing number		Sheet	
V2	Modify shrinktube	2022.12.14	HONG			Part number		1/1	
V1	Add capacity information	2022.04.13	HONG			2447-3035-50			
V0	Create this data	2022.01.24	HONG			Replaced by:		Replacement through:	
Version Change		Date Name		Project: 710579					

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- ✓ Alternative Solution
- ✓ Excess Inventory Management