

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 form 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.

Technische Daten/ technical data	:	Akkupack/ battery pack
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	4 Zellen/ cells ICR18650 LGC B4 ; 4S1P
Kapazität/ capacity	:	nom. 2600mAh discharge at 0.2C min. 2500mAh discharge at 0.2C

Innenwiderstand/ impedance	:	< 320m0hm (battery and safetyboard)
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Nominalspannung/ nominal voltage	:	14.8V
Standard Ladespannung/ standard charge voltage	:	16.8V±1%

Standard Entladespannung/ standard discharge voltage	:	11V
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Nominaler Ladestrom/ nominal charge current	:	0.5C
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Maximaler Ladestrom/ maximum charge current	:	1C
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Ladeendstrom/ charge end current	:	0.01C recommended
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Maximaler Entldestrom/ maximum discharge current	:	4000mA (limited by safetyboard)
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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
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Selbstentladung/ self discharge	:	≤ 5% / month at20°C ≤ 10% / month at30°C ≤ 20% / month at40°C
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Standards/ technical data	:	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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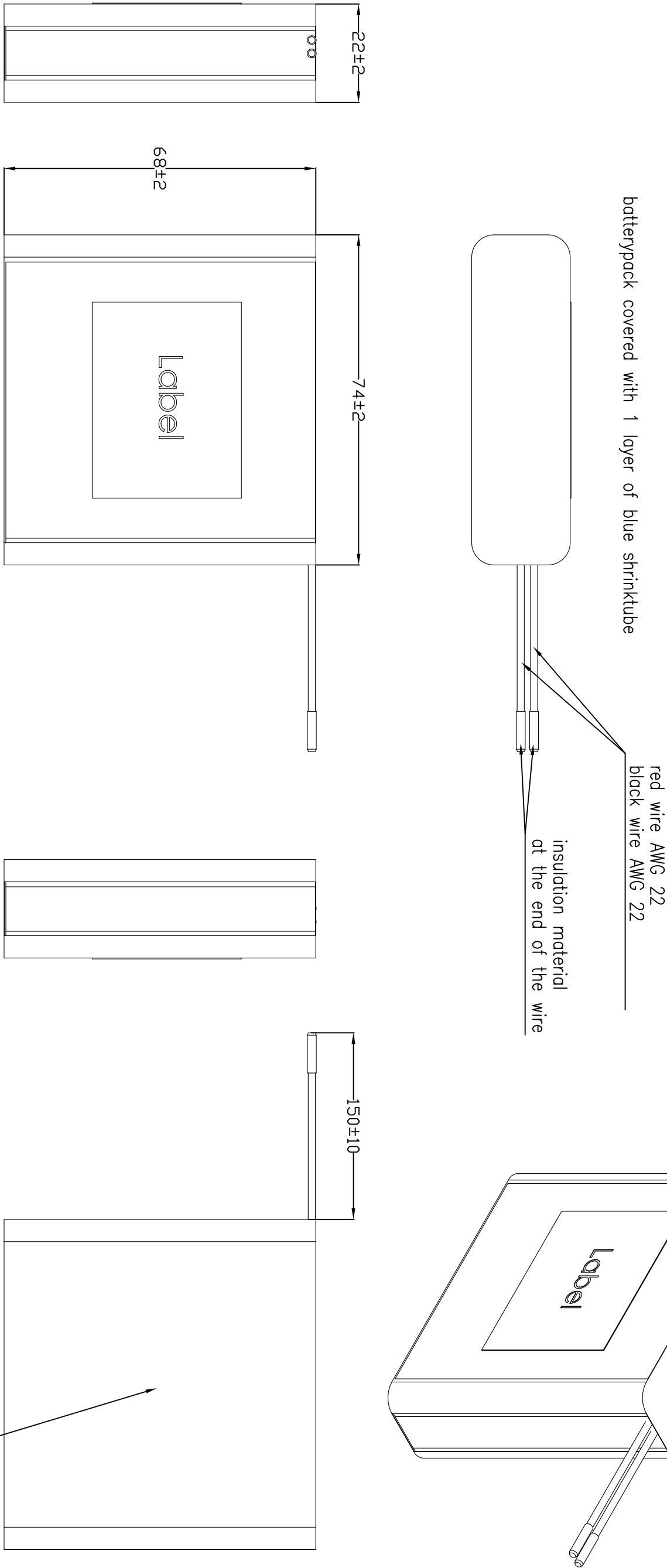
Technische Daten/ technical data	:	Sicherheitsschaltung/ safety board
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Überladeschutzspannung/ over charge voltage detection	:	4.325V±75mV per cell
Wiedereinschaltspannung/ over charge release voltage	:	4.15V±50mV per cell
Entladedeschaltspannung/ over discharge detection voltage	:	2.4V±80mV per cell
Wiedereinschaltspannung/ over discharge release voltage	:	3V±100mV per cell
Nominaler Lade/Entldestrom/ nominal operating current	:	4A
Entlade Abschaltstrom/ discharge cut off current	:	15A± 5A

Kurzschlusschutz/ short circuit protection	:	gegen äußeren Kurzschluss/ oganst external short circuit
Temperatururshalter/ temperature switch	:	---
MOSFET	:	im Pluszweig/ in positive path

Rückstellkriterium/ release condition	:	Last trennen, Aktiv nach Anladen/ cut load, release after charging up
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Nettgewicht/ net weight	:	190g
Leiterplattenmaterial/ pcb material	:	FR4
Standards	:	CE



Verwendungsbereich/Application range				Zul. Abweichung/ Allowable deviation		Oberfläche/ Surface		Maßstab/Scale (DIN A2): 1:1		Gewicht/Weight	
für Anfrage/for inquiry AN-IS-2013-004.24				Allgemeintoleranz DIN ISO 2768-m				Werkstoff/Work material, Modell-Nr.			
				2013	Datum/Date	Name		Zeichnungsname/Drawing name Li-Ion Battery 14.8V 2600mAh with safetyboard			
				Erstellt/ Drawn by	23.10.	JE					
V2	extended lead wires to 150mm	21.03.17	XJ					Zeichnungsnummer/Drawing number Artikelnummer/Part number 2447-3032-01		Blatt/ Sheet 1	
V1	change request: DE-15-0022	15.01.16	MSI								
Version	Änderung/Change	Datum/Date		Name		Ursprung/Origin Proj. 01S-2013-004.24		Ersatz für/Replaced by		Ersatz durch/Replaced through	