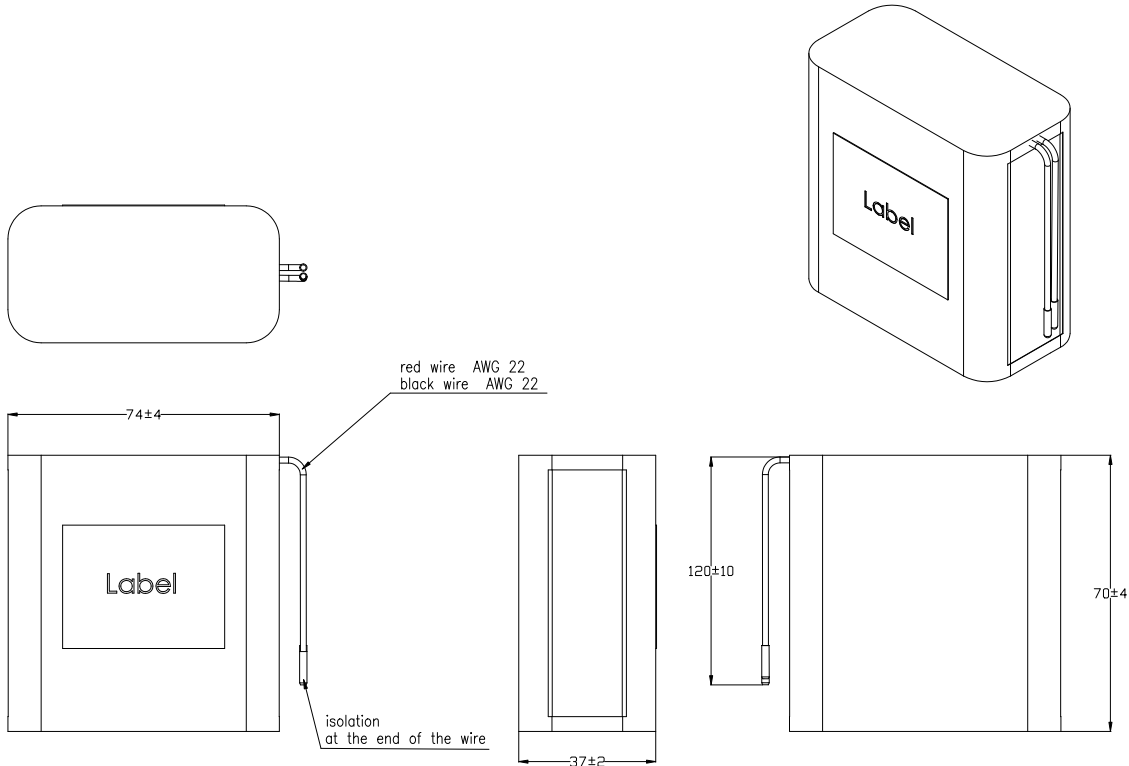


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The supplier acknowledges that, with the acceptance of this drawing, he is a participant in manufacturing the illustrated part in accordance with the drawing's requirements. He is responsible for the correct interpretation of the drawing and for the correct execution of the manufacturing process. He is not responsible for any deviations from the drawing's requirements or for any damage to the product or for any loss of data or for any other consequences resulting from the use of the product.

Technische Daten/ technical data	: Akkupack/ batterypack
Chemie/ chemistry	: Lithium Ion
Zellenzahl/ no. of cells	: 8 Zellen/ cells INR18650 LGC B4 ; 4S2P
Kapazität/ capacity	: nom. 5200mAh discharge at 0.2C min. 5000mAh discharge at 0.2C ta:20°C; EV(Discharge End Voltage): 2.75V per cell
Innenwiderstand/ impedance	: < 180m0hm (battery and safetyboard)
Nominalspannung/ nominal voltage	: 14.8V
Standard Ladespannung/ standard charge voltage	: 16.8V±1%
Standard Entladespannung/ standard discharge voltage	: 11V
Nominaler Ladestrom/ nominal charge current	: 0.5C
Maximaler Ladestrom/ maximum charge current	: 1C
Ladeendstrom/ charge end current	: 0.01C recommended
Maximaler Entladestrom/ maximum discharge current	: 4000mA (limited by safetyboard)
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
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



batterypack covered with 1 layer of blue shrinktube

Technische Daten/ technical data	: Sicherheitsschaltung/ safety board
Überladeschutzspannung/ over charge voltage detection	: 4.325V±75mV per cell
Wiedereinschaltspannung/ over charge release voltage	: 4.15V±50mV per cell
Entladeabschaltspannung/ over discharge detection voltage	: 2.4V±80mV per cell
Wiedereinschaltspannung/ over discharge release voltage	: 3V±100mV per cell
Nominaler Lade/Entladestrom/ nominal operating current	: 4A
Entlade Abschaltstrom/ discharge cut off current	: 15A± 5A
Kurzschlusschutz/ short circuit protection	: gegen äußeren Kurzschluss/ against external short circuit
Temperaturschalter/ 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	: 370g
Leiterplattenmaterial/ pcb material	: FR4
Standards	: CE

Verwendungsbereich/Application range für Anfrage/for inquiry AN-IS-2013-00427				Zul. Abweichung/ Allowable deviation	Oberfläche/ Surface	Maßstab/Scale (DIN A2): 1:1	Gewicht/Weight
				Allgemeintoleranz DIN ISO 2768-m		Werkstoff/Work material, Modell-Nr.	
				2013	Datum/Date	Zeichnungsname/Drawing name	
				Zeichn./ Drawn by	23.10.	JE	Li-Ion Battery 14.8V 5200mAh with safetyboard
							Zeichnungsnummer/Drawing number
							Artikelnummer/Part number
							2447-3035-01
V2	changed cell description	18.12.17	DS				Blatt/ Sheet
V1	change request: DE-15-0022	15.01.16	MSI				1
Version				Änderung/Change		Ursprung/Origin Proj. IS-2013-00427	Ersatz für/Replaced by
						Ersatz durch/Replacement through	