

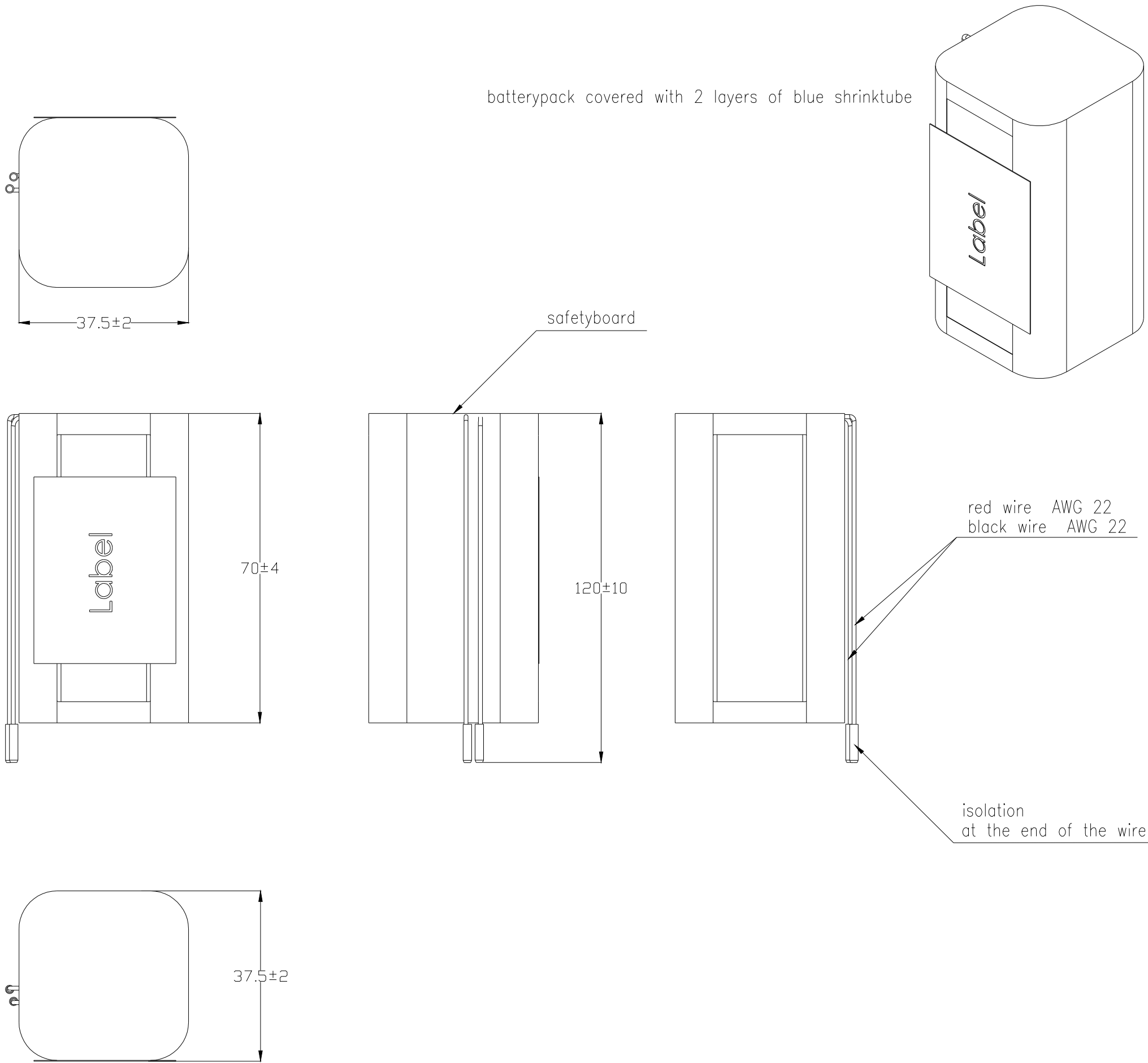
The supplier acknowledges that, with the acceptance of this drawing, he is in a position to manufacture the illustrated part in accordance with the drawing in reproducible form and to deliver it in the required quantity and quality. The supplier is responsible for the design and the manufacturing of the component. Verbal agreements over and above that are not valid. Deviations from this rule must be written and must be signed by the purchaser.

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Technische Daten/ technical data	:	Akkupack/ batterypack
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	4 Zellen/ cells INR18650 M26 LG ; 4S1P
Kapazität/ capacity	:	nom. 2600mAh discharge at 0.2C min. 2500mAh discharge at 0.2C ta:20°C; EV(Discharge End Voltage): 2.75V per cell
Innenwiderstand/ impedance	:	< 300mOhm (battery and safetyboard)
Nominalspannung/ nominal voltage	:	14.4V
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...+20°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	:	4.35V±25mV 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
Temperarurschalter/ temperature switch	:	PTC: JK-P600 20V/ 6A at 25°C ; 5.2A at 40°C
MOSFET	:	im Pluszweig/ in positive path

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



Part Number	SAP Description
2447-3036-02	Li-Ion-14.4V-2600mAh-4S1P-block-M26
2447-3036-202	Li-Ion-14.4V-2600mAh-4S1P-block-M26/UK

Verwendungsbereich/Application range für Anfrage/for inquiry AN-IS-2013-00428				Zul. Abweichung/ Allowable deviation		Oberfläche/ Surface	Maßstab/Scale (DIN A2): 1:1		Gewicht/Weight		
				Allgemeintoleranz DIN ISO 2768-m			Werkstoff/Work material, Modell-Nr.				
				2019	Datum/Date	Name		Zeichnungsname/Drawing name			
				Erstellt/ Drawn by	25.01.	MS1		Li-Ion Battery 14.4V 2600mAh with safetyboard			
V2	change request: DE-20-5013	24.03.'20	MS1					Zeichnungsnummer/Drawing number			Blatt/ Sheet 1
V1	part number overview added	15.04.19	DS					Artikelnummer/Part number			
V0	---	XX.XX.XX	XX					2447-3036-X02			
Version	Änderung/Change	Datum/Date	Name	Ursprung/Origin Proj. IS-2013-00428				Ersatz für/Replaced by		Ersatz durch/Replacement through	