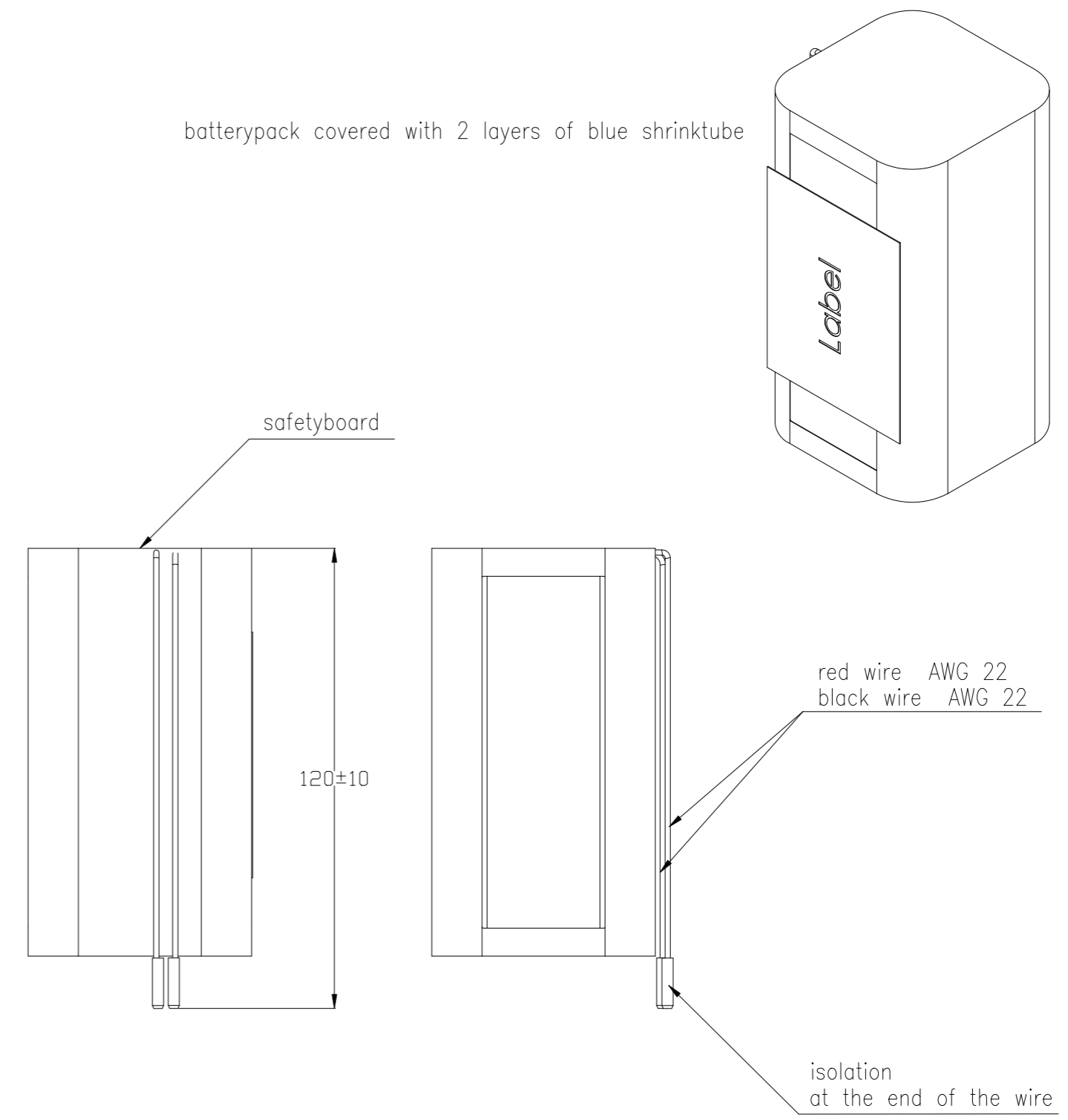
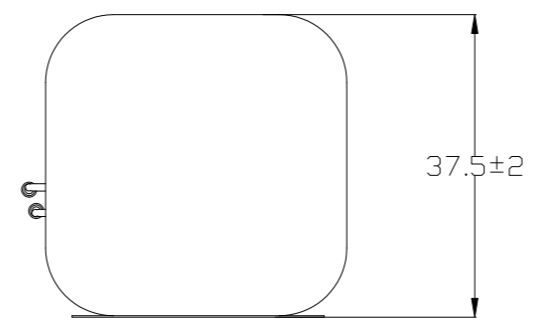
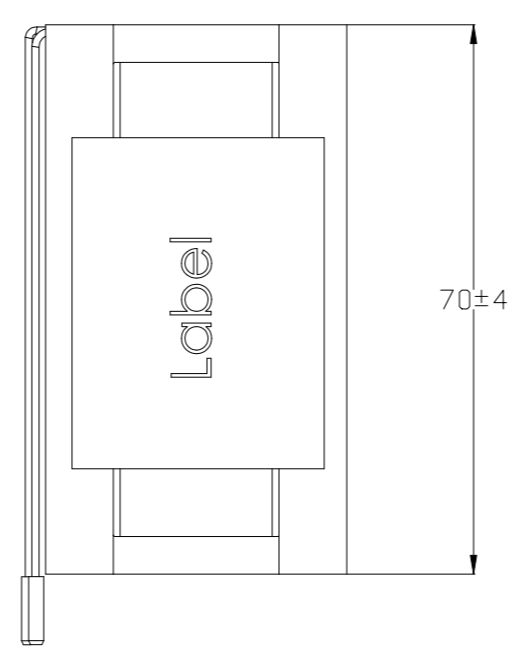
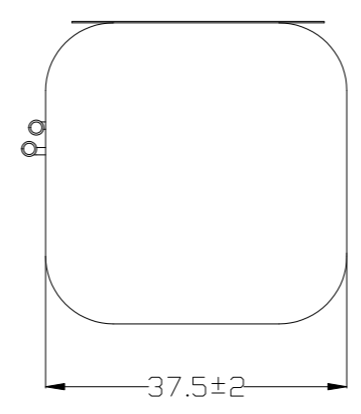


The drawing may not be used, reproduced, modified or disseminated without the approval of the supplier. Verbal agreements over and above this are not valid. Deviations from this rule must be written and must be signed by the purchaser.

Technische Daten/
 technical data : Akkupack/
 batterypack
 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
 ta:20°C; EV(Discharge End Voltage): 2.75V per cell
 Innenwiderstand/
 impedance : < 300mOhm (battery and safetyboard)
 Nominale Spannung/
 nominal voltage : 14.8V
 Standard Ladespannung/
 standard charge voltage : 16.8V±1%
 Standard Entladespannung/
 standard discharge voltage : 11V
 Nominale 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

Technische Daten/
 technical data : Sicherheitsschaltung/
 safety board
 Überladeschutzspannung/
 over charge voltage detection : 4.325V±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±80mV per cell
 Nominale 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
 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 : 190g
 Leiterplattenmaterial/
 pcb material : FR4
 Standards : CE



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.	
				2013	Datum/Date	Name	
				Erstellt/ Drawn by	23.10.	JE	
				Zeichnungsname/Drawing name Li-Ion Battery 14.8V 2600mAh with safetyboard			
				Zeichnungsnummer/Drawing number Artikelnummer/Part number			Blatt/ Sheet
				2447-3036-01			1
V1	change request: DE-15-0022	15.01.16	MSt	Ursprung/Origin Proj. IS-2013-00428		Ersatz für/Replaced by	Ersatz durch/Replacement through:

