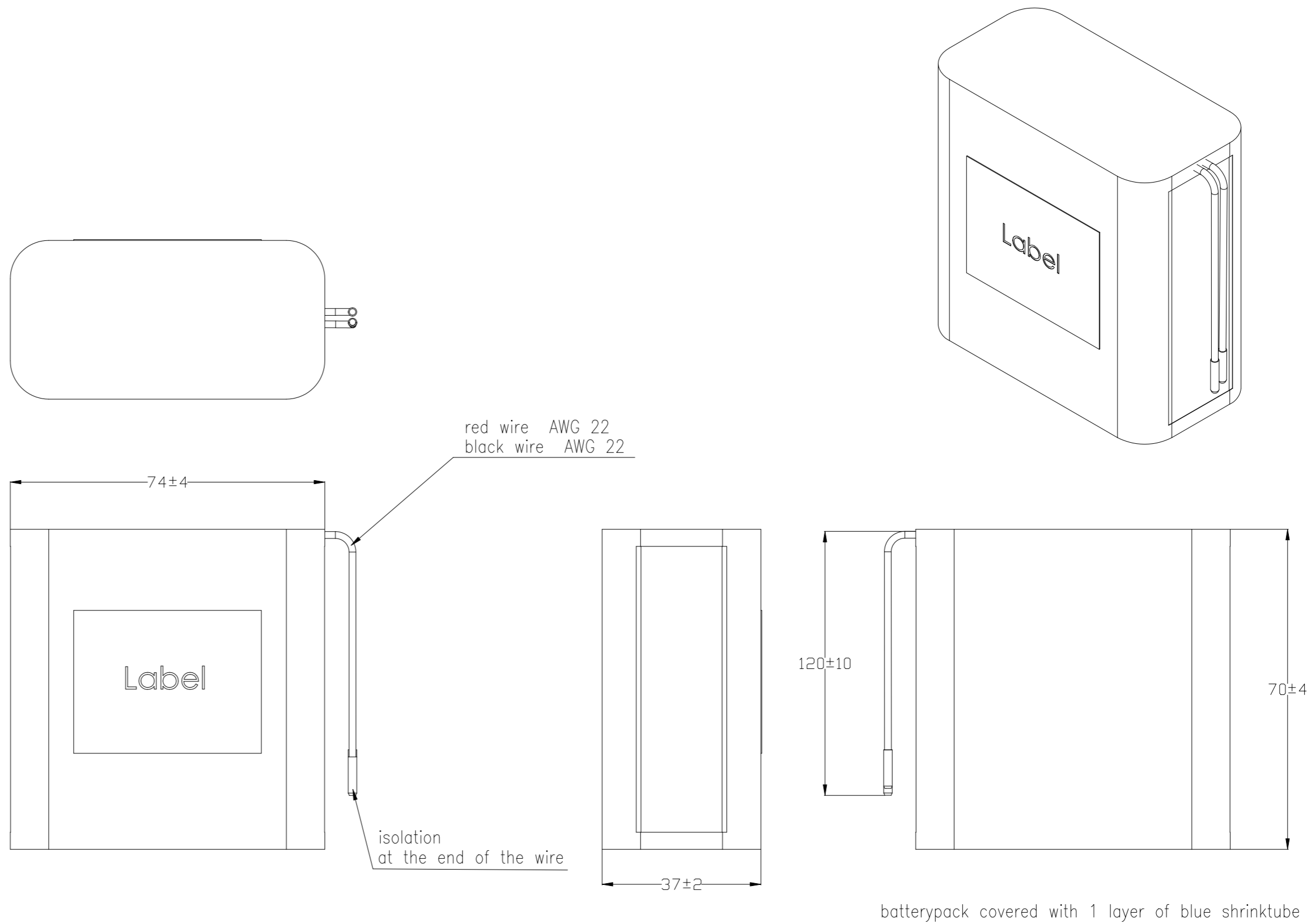


The supplier acknowledges that, with the acceptance of the drawings, he is in a position to manufacture the illustrated part in accordance with the drawings in reproducible form and series production. Through the selected manufacturing process in accordance with the material and structure which could subsequently lead to an impairment of the components. Verbal agreements over and above that are not valid. Deviations from this rule 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 ICR18650 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 : < 180mOhm (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 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 : 4.325V±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
- 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 : 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 Erstellt/ Drawn by	Datum/Date 23.10.	Name JE	Zeichnungsname/Drawing name Li-Ion Battery 14.8V 5200mAh with safetyboard
		Zeichnungsnummer/Drawing number Artikelnummer/Part number			Blatt/ Sheet
		2447-3035-01			1
V1	change request: DE-15-0022	15.01.16	MSt	Ursprung/Origin Proj. IS-2013-00427	
Version		Änderung/Change		Datum/Date Name	
		Ursprung/Origin Proj. IS-2013-00427		Ersatz für/Replaced by	
		Ersatz durch/Replacement through:			

