

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 processes no impairments will arise in 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 : 4 Zellen/ cells INR18650 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 : < 320mOhm (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 : ---

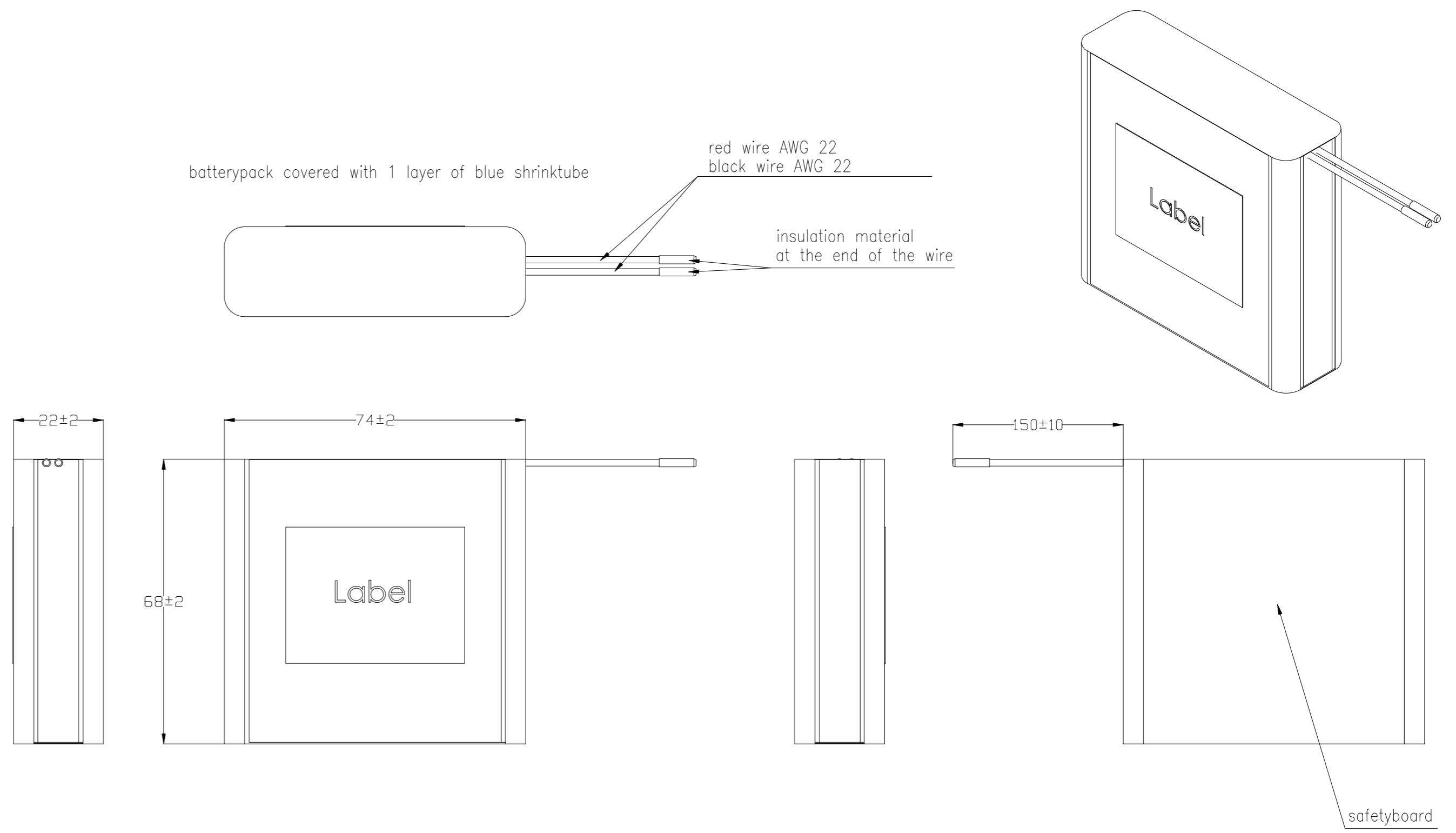
MOSFET : im Pluszweig/  
in positive path

Rückstellkriterium/  
release condition : Last trennen, Aktiv nach Anladen/  
cut load, release after charging up

Nettogewicht/  
net weight : 190g

Leiterplattenmaterial/  
pcb material : FR4

Standards : CE



Verwendungsbereich/ Application range für Anfrage/for inquiry AN-IS-2013-00424		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	Zeichnungsname/Drawing name	
		Erstellt/ Drawn by	23.10.	JE	Li-Ion Battery 14.8V 2600mAh with safetyboard
				Zeichnungsnummer/Drawing number Artikelnummer/Part number	Blatt/ Sheet
				2447-3032-01	1
Version	Änderung/Change	Datum/Date	Name	Ursprung/Origin Proj. OIS-2013-00424	Ersatz für/Replaced by
V3	chaged cell description	18.12.17	DS		
V2	extended lead wires to 150mm	21.03.17	XJ		
V1	change request: DE-15-0022	15.01.16	MSt		
				Ersatz durch/Replacement through:	

