

The upper acknowledges that, with the acceptance of this drawing, he is in a position to manufacture the component in accordance with the drawing in reproducible quantities. The manufacturer is responsible for the correct interpretation of the drawing and for the correct implementation 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.

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 : < 320mOhm (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

Temperaturumschalter/  
temperature switch : PTC: JK-P600 20V/ 6A at 25°C ; 5.2A at 40°C

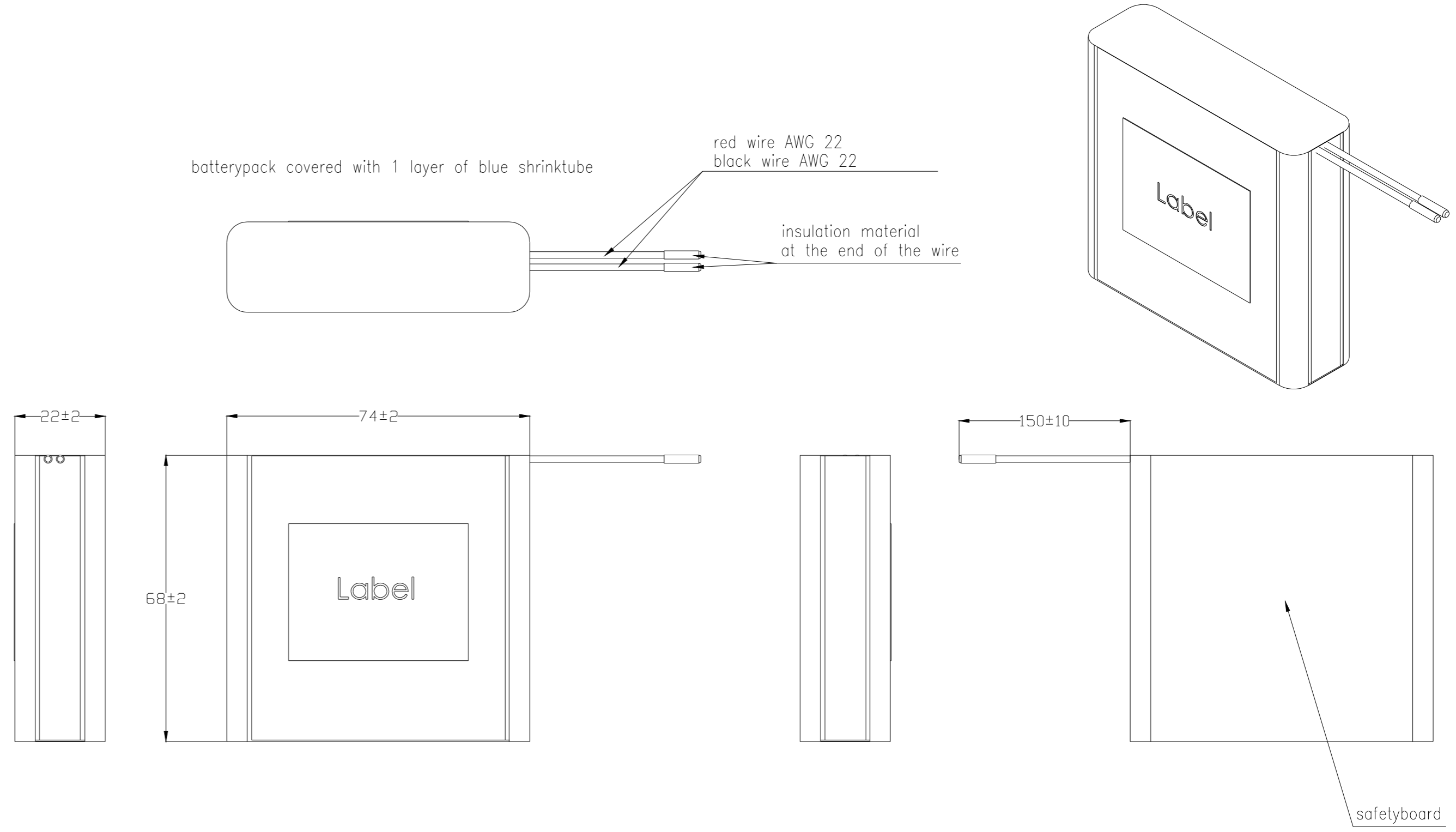
MOSFET : im Pluszweig/  
in positive path

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
2447-3032-03	Li-Ion-14.4V-2600mAh-4S1P-M26
2447-3032-203	Li-Ion-14.4V-2600mAh-1S1P/UK

Verwendungsbereich/Application range für Anfrage/for inquiry AN-IS-2013-00424		Zut. 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	29.01.	MSt	Li-Ion Battery 14.4V 2600mAh with safetyboard
V2	change request: DE-20-5013	24.03.'20	MSt	Zeichnungsnummer/Drawing number	
V1	part number overview added	15.04.19	DS	Artikelnummer/Part number	
V0	---	XX.XX.XX	XX	2447-3032-X03	
Version	Anderung/Change	Datum/Date	Name	Ursprung/Origin Proj. IS-2013-00424	Ersatz für/Replaced by
				Ersatz durch/Replacement through	

