

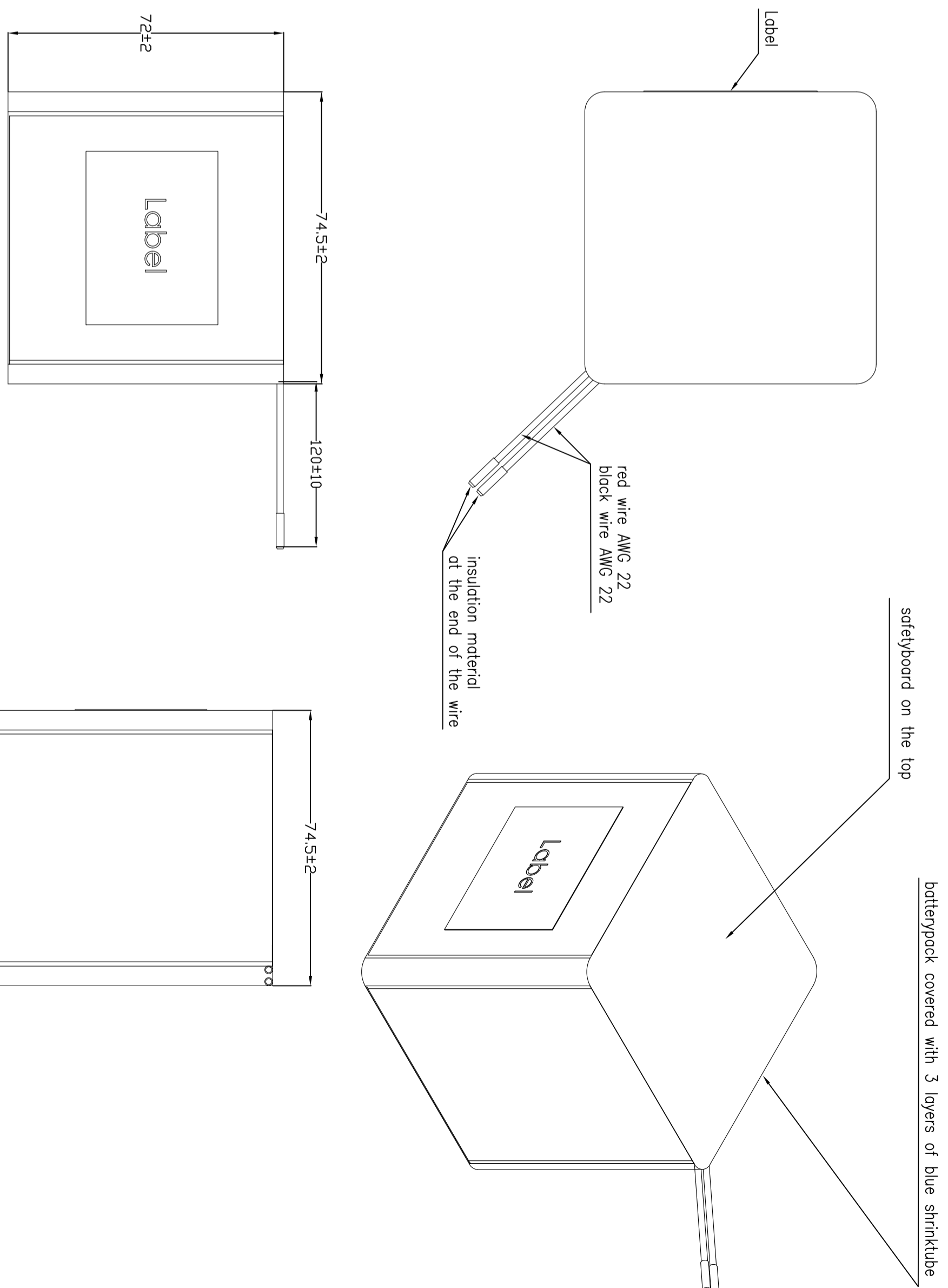
Technische Daten/ technical data	: Akkupack/ battery pack
Chemie/ chemistry	: Lithium Ion
Zellenzahl/ no. of cells	: 16 Zellen / cells : 4S4P
Zellentyp/ cell type	: INR18650 LGC MJ1
Kapazität/ capacity	: nom. 13800mAh discharge at 0.2C min. 13600mAh discharge at 0.2C
Innenwiderstand/ impedance	: to:20°C; EV(Discharge End Voltage): 2.5V per cell < 160mΩ (battery and safetyboard)
Nominalspannung/ nominal voltage	: 14.8V
Standard Ladespannung/ standard charge voltage	: 16.8V±1%
Standard Entladespannung/ standard discharge voltage	: 10V
Nominaler Ladestrom/ nominal charge current	: 4000mA (limited by safetyboard)
Maximaler Ladestrom/ maximum charge current	: 4000mA (limited by safetyboard)
Ladendstrom/ charge end current	: 0.01C recommended
Maximaler Entladedstrom/ 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/ 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

: Sicherheits-schaltung/
safety board (0180-3199)

Überladeschutzspannung/ over charge voltage detection	: 4.35V±25mV per cell
Wiederentschaltspannung/ over charge release voltage	: 4.15V±50mV per cell
Entladeabschaltspannung/ over discharge detection voltage	: 2.4V±80mV per cell
Wiederentschaltspannung/ over discharge release voltage	: 3V±100mV per cell
Nominaler Lade/Entladedstrom/ nominal operating current	: 4A
Entlade Abschaltstrom/ discharge cut off current	: 15A± 5A
Kurzschlusschutz/ short circuit protection	: gegen äußeren Kurzschluss/ against external short circuit
Temperaturschalter/ 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	: approx 776.4g
Leiterplattenmaterial/ pcb material	: FR4
Standards	: CE



Verwendungsrecht/Application range	Zul. Abweichung/ Allowable deviation		Oberfläche/ Surface	Maßstab/Scale (DIN A2):	1:1	Gewicht/Weight
Für Anfrage/for inquiry IS-2016-01263	DIN ISO 2768-m			Werkstoff/Work material, Modell-Nr.		
	2016	Datum/Date Name	XJ	Zeichnungsname/Drawing name	Li-Ion-14.8V-13800mAh-4s4p-block-PTC/LG	
	29.09.	29.09.		with safetyboard		
				Zeichnungsnummer/Drawing number	2447-3099-20	
				Artnummer/Part number	2447-3099-20	
Version	Änderung/Change	Datum/Date Name	Ursprung/Origin Proj. IS-2016-01263	Ersatz für/Replaced by	Ersatz durch/Replacement through	
V0	created this D/S	29.09.16	XJ			
				Blatt/ Sheet	1	