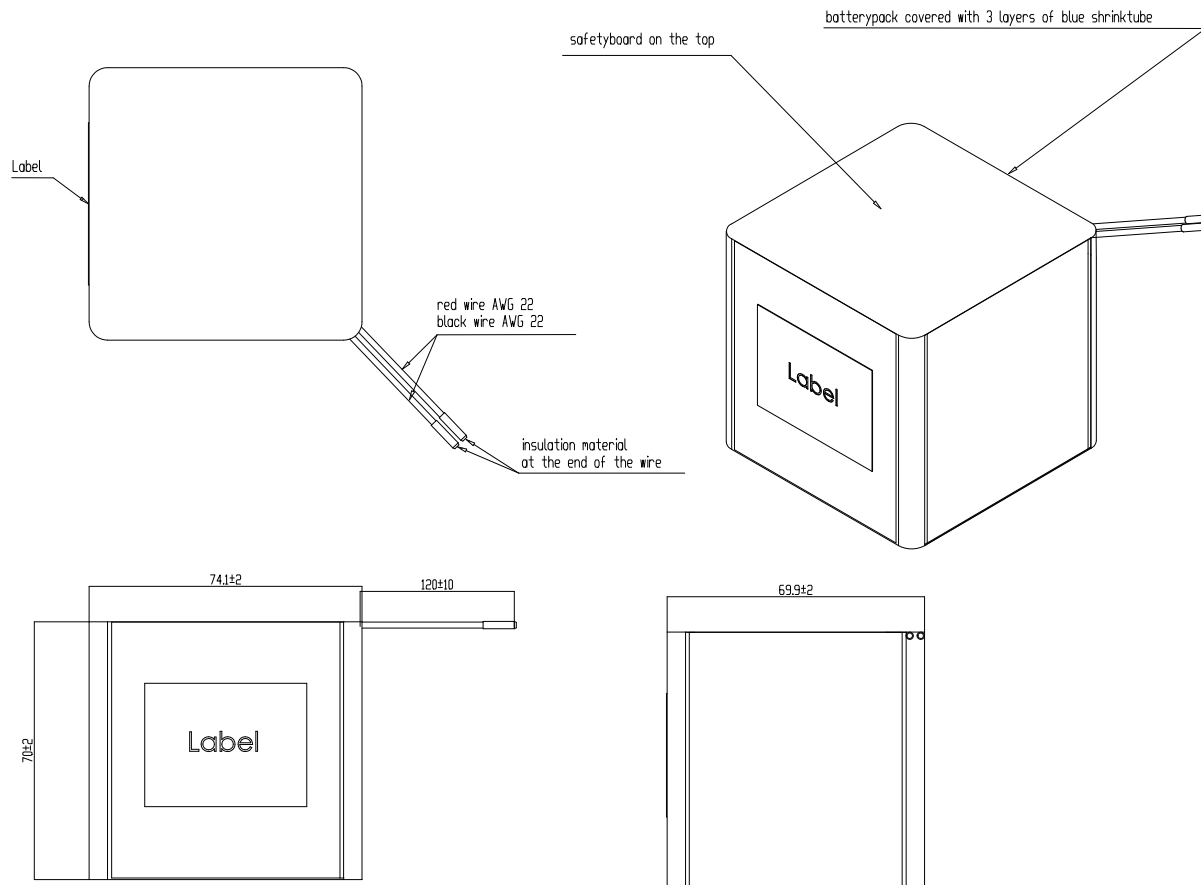


The supplier acknowledges that, with the acceptance of the drawing, he is obliged to manufacture the illustrated part in accordance with the drawing's requirements. The supplier is responsible for the accuracy of the drawing. The manufacturer is not responsible for any damage caused by the use of the drawing. The manufacturer is not responsible for any damage caused by the use of the drawing. The manufacturer is not responsible for any damage caused by the use of the drawing.

- Technische Daten/
technical data : Akkupack/
battery pack
- Chemie/
chemistry : Lithium Ion
- Zellenzahl/
no. of cells : 16 Zellen/ cells ; 4S4P
- Zellentyp/
cell type : INR18650 LGC MJI
- Kapazität/
capacity : nom. 14000mAh discharge at 0.2C
min. 13400mAh discharge at 0.2C
to 20°C; EV(Discharge End Voltage): 2.5V per cell
- Innenwiderstand/
impedance : < 160mOhm (battery and safetyboard)
- Nominalspannung/
nominal voltage : 14.54V
- 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)
- 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 at 20°C
≤ 10% / month at 30°C
≤ 20% / month at 40°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 (0180-3199)
- 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
- 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



Part Number	SAP Description
2447-3099-20	Li-Ion-14.54V-14000mAh-4S4P-block-PTC/LG
2447-3099-220	Li-Ion-14.54V-14Ah-4S4P-block-PTC/UK

Application range for inquiry		Allowable deviation general tolerances		Tolerance principle:		Model:		Material:	
		DIN ISO 2768-m		ISO 8015		Scale (DN A2):		All dimensions in mm	
		2016		Date		Name		Weight:	
		29.09.		JX		Drawing name			
		Approved by				Li-Ion-14.54V-14000mAh-4S4P-block-PTC/LG with safetyboard			
V3	part number overview odded	15.04.19	DS			Drawing number		Sheet	
V2	cable length changed	16.01.18	DS			Part number		1/1	
V1	change request DE-17-0071	14.11.17	DS			2447-3099-XXX			
V0	created this D/S	29.09.16	JX			Replaced by:		Replacement through:	
Version	Change	Date	Name	6-206-0263					

