

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

This drawing may not be used, reproduced or made available in any form without the written or graphic approval of the manufacturer.

Technische Daten/  
technical data : Akkupack/  
battery pack

Chemie/  
chemistry : Lithium Ion

Zellenzahl/  
no. of cells : 4 Zellen/ cells INR18650 MJ1 LG ; 4S1P

Kapazität/  
capacity : nom. 3500mAh discharge at 0.2C  
min. 3350mAh discharge at 0.2C

: ta:20°C; EV(Discharge End Voltage): 2.5V per cell

Innenwiderstand/  
impedance : < 300m0hm (battery and safetyboard)

Nominalspannung/  
nominal voltage : 14.5V

Standard Ladespannung/  
standard charge voltage : 16.8V±1%

Standard Entladespannung/  
standard discharge voltage : 10V

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

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 : 4.35V±25mV per cell

Wiedereinschaltspannung/  
over charge release voltage : 4.15V±100mV 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

Überstromschutz/  
over current protection : Polyswitch 6A at 25°C

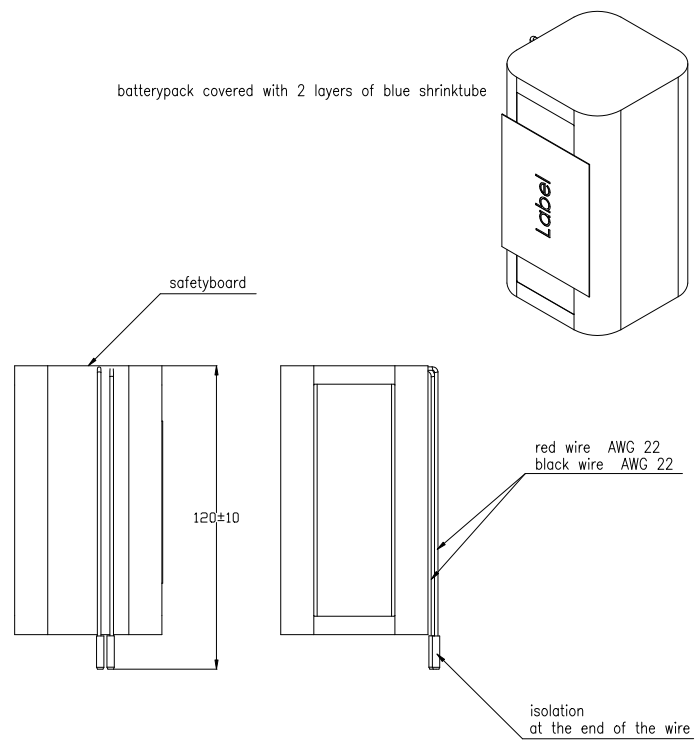
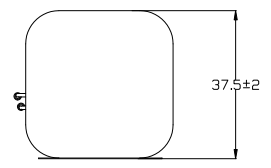
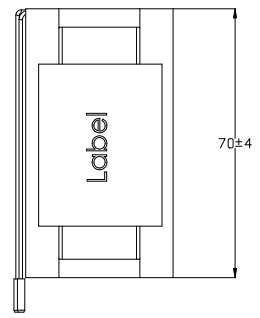
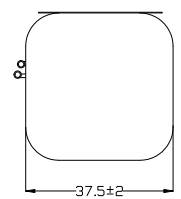
MOSFET : im Pluszweig/  
in positive path

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
2447-3036-20	Li-Ion-14.5V-3500mAh-4S1P-block
2447-3036-220	Li-Ion-14.5V-3500mAh-4S1P-block/UK

Verwendungsbereich/Application range für Anfrage/for inquiry AN-IS-2013-00428		Zul. 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	
		Zeichner/ Drawn by	05.02.	MSt	Li-Ion Battery 14.5V 3500mAh with safetyboard
V1	part number overview added	15.04.19	DS	Zeichnungsnummer/Drawing number	
V0	----	XX.XX.XX	XX	2447-3036-XXX	
Version		Änderung/Change		Datum/Date Name	
		Ursprung/Origin Proj. IS-2013-00428		Ersatz für/Replaced by	
				Ersatz durch/Replacement through	

