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Technische Daten/
technical data : Akkupack/
batterypack

Chemie/
chemistry : Li-Ion

Zellenzahl/
no. of cells : 6 Zellen/ cells 18650 3S2P

Zellentyp
cell type : Samsung SDI 26H

Kapazität/
capacity : nom. 5200mAh discharge at 0.2C
min. 5100mAh discharge at 0.2C
ta:20°C; EV(Discharge End Voltage): 2.75V per cell

Innenwiderstand/
impedance : < 70mOhm (battery and safetyboard)

Nominalspannung/
nominal voltage : 11.1V

Standard Ladespannung/
standard charge voltage : 12.6V±1%

Standard Entladespannung/
standard discharge voltage : 8.25V

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 : 2C

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 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 : 4.1V±100mV per cell

Entladeabschaltspannung/
over discharge detection voltage : 2.4V±80mV per cell

Wiedereinschaltspannung/
over discharge release voltage : 3V±150mV per cell

Nominaler Lade/Entladestrom/
nominal operating current : 7A

Entlade Abschaltstrom/
discharge cut off current : 10A± 2A

Kurzschlusschutz/
short circuit protection : gegen äußeren Kurzschluss/
against external short circuit

Temperaturumschalter/
temperature switch : ---

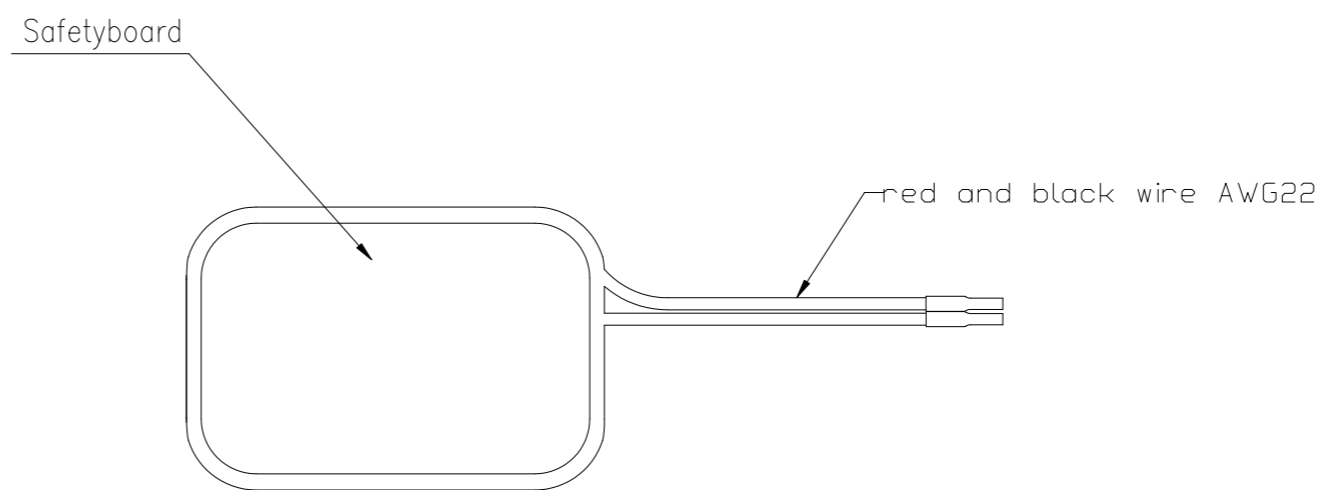
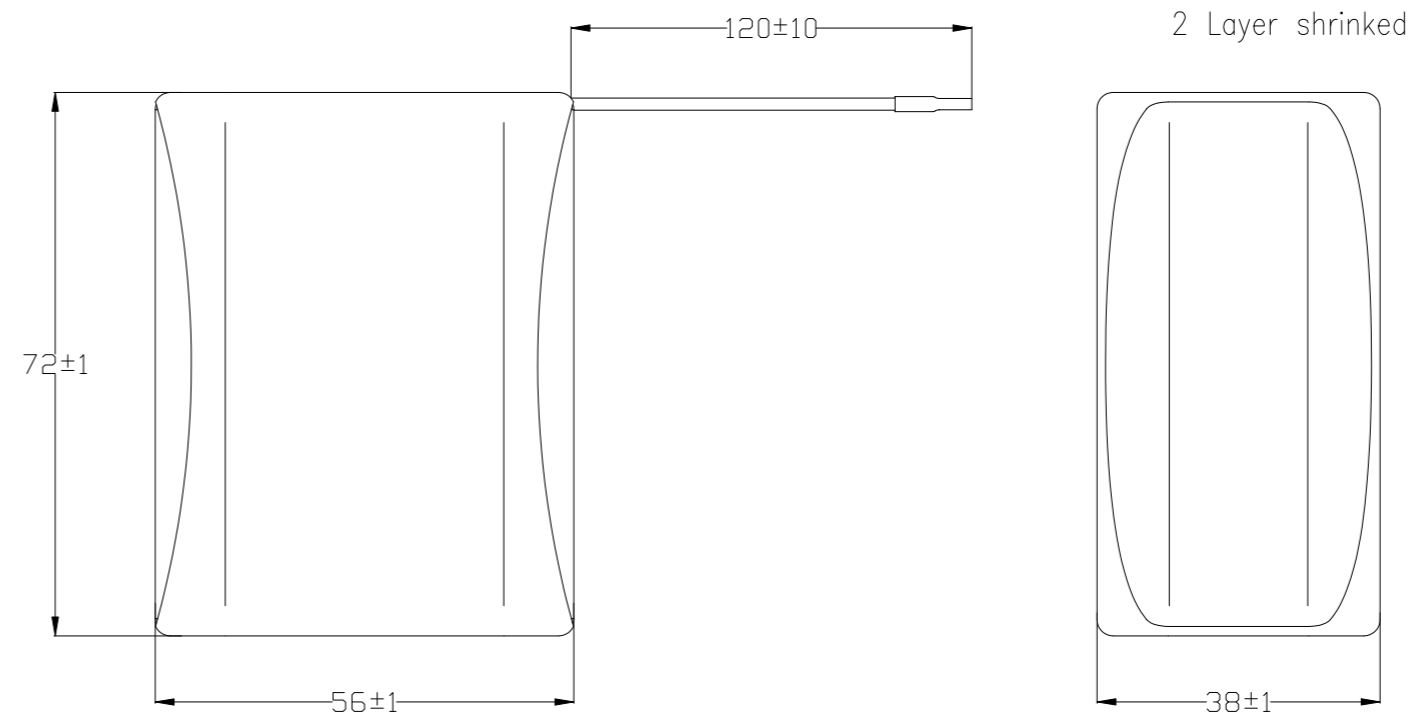
MOSFET : im Pluszweig
in positive path

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

Nettogewicht/
net weight : 155g

Leiterplattenmaterial/
pcb material : FR4

Standards : CE



Label

Li-Ion Rechargeable 18650 3S2P

Nominal voltage: 11.1V

Max. charge voltage: 12.6V

Nominal capacity: 5200mAh

Minimum capacity: 5100mAh

Energy: 57.7Wh

Safety advice:
Do not short, heat, incinerate, short circuit,
discharge or immerse in any liquid or if may vent or rupture.
Do not charge below 0°C
Discharge -20°C to +40°C
Tested and approved to IEC62133-2
part. no. 2447-3050

Verwendungsbereich/Application range für Anfrage/for inquiry IS-2013-00189		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	14.08.	JE	Li-Ion Battery 11.1V 5200mAh with safetyboard
		Zeichnungsnummer/Drawing number Artikelnummer/Part number			Blatt/ Sheet
		2447-3050			1
Version	Änderung/Change	Datum/Date Name	Ursprung/Origin Proj. IS-2013-00189	Ersatz für/Replaced by	Ersatz durch/Replacement through:
VO	---	XX.XX.XX	XX		