

The drawing may only be used, modified or made suitable to meet specific requirements if the customer agrees in writing. The drawing is the property of the manufacturer. The manufacturer is not responsible for any damage or loss of data caused by the use of this drawing. The drawing is not to be used for any other purpose. The drawing is not to be used for any other purpose. The drawing is not to be used for any other purpose.

Technische Daten/
 technical data : Akkupack/
 battery pack
 Chemie/
 chemistry : Li-Ion
 Zellenzahl/
 no. of cells : 6 Zellen/ cells 18650 3S2P
 Zellentyp
 cell type : Samsung SDI 26H
 Kapazität/
 capacity : nom. 5200AH discharge at 0.2C
 min. 5100AH discharge at 0.2C
 ta:20°C; EV(Discharge End Voltage): 2.75V per cell

Innenwiderstand/
 impedance : < 70m0hm (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 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 : 4.1V±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

Temperaturschalter/
 temperature switch : ---

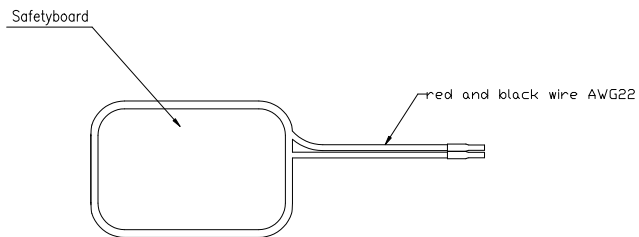
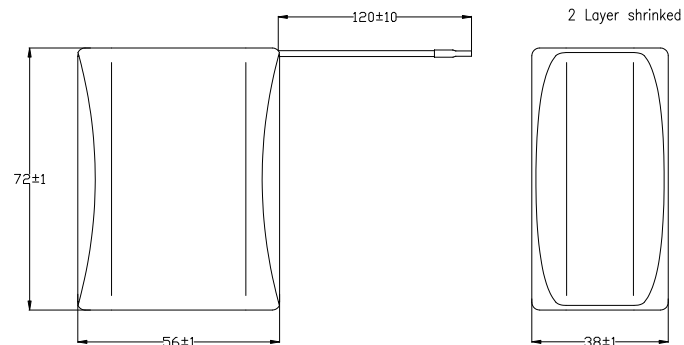
MOSFET : im Pluszweig
 in positive path

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: <small> Charge with the correct charger, don't short. Don't use damaged or modified cells or systems. Don't overcharge or over-discharge. Storage at 20°C ± 5°C. Tested and approved to IEC62133 www.amsmann.com </small>		

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
VO ---		XX.XX.XX	XX	2447-3050		1
Version Änderung/Change		Datum/Date	Name	Ursprung/Origin Proj. IS-2013-00189	Ersatz für/Replaced by	Ersatz durch/Replacement through