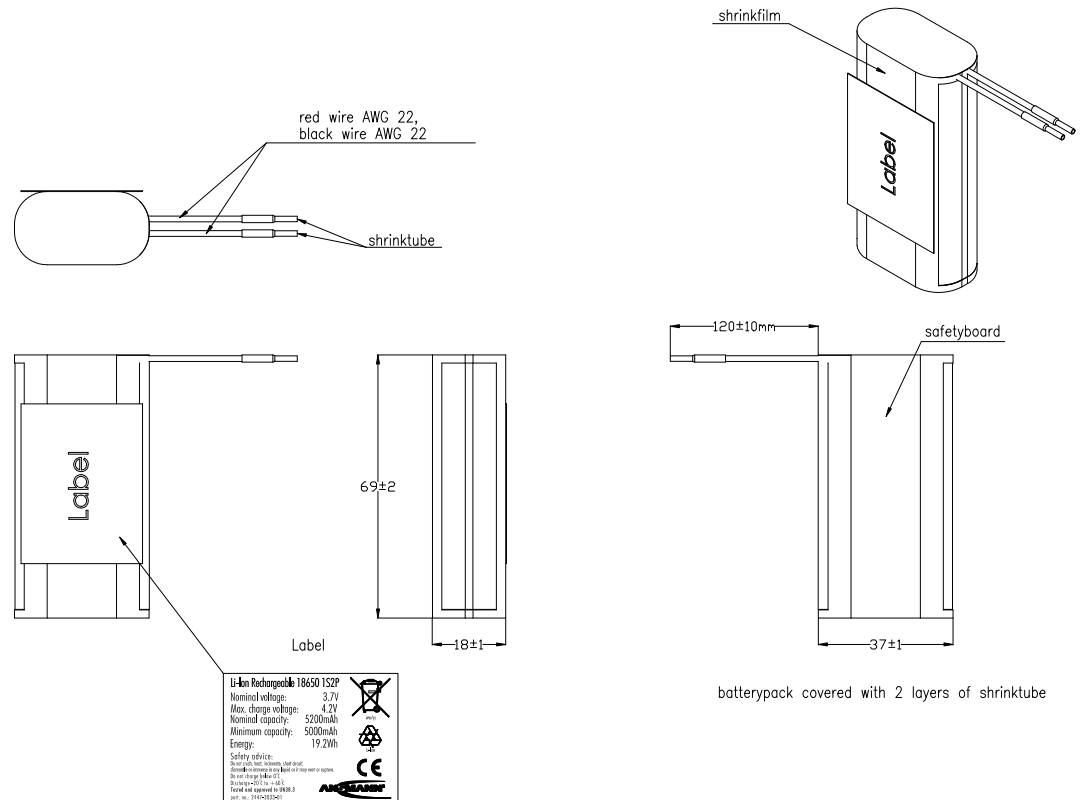


Technische Daten/ technical data	:	Akkupack/ battery pack
Chemie/ chemistry	:	Li-Ion
Zellenzahl/ no. of cells	:	2 Zellen/ cells 18650 1S2P LG B4
Kapazität/ capacity	:	nom. 5200mAh discharge at 0.2C min. 5000mAh discharge at 0.2C ta:20°C; EV(Discharge End Voltage): 2.75V per cell
Innenwiderstand/ impedance	:	< 80mOhm (battery and safetyboard)
Nominalspannung/ nominal voltage	:	3.7V
Standard Ladespannung/ standard charge voltage	:	4.2V±1%
Standard Entladespannung/ standard discharge voltage	:	2.75V
Nominaler Ladestrom/ nominal charge current	:	0.5C
Maximaler Ladestrom/ maximum charge current	:	3000mA (limited by safetyboard)
Ladeendstrom/ charge end current	:	0.01C recommended
Maximaler Entladestrom/ maximum discharge current	:	3000mA (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/	:	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	:	4.25V±25mV per cell
Wiedereinschaltspannung/ over charge release voltage	:	4.05V±50mV per cell
Entladeabschaltspannung/ over discharge detection voltage	:	2.5V±62mV per cell
Wiedereinschaltspannung/ over discharge release voltage	:	2.85V±250mV per cell
Nominaler Lade/Entladestrom/ nominal operating current	:	3A
Entlade Abschaltstrom/ discharge cut off current	:	8.5A± 2A
Kurzschlusschutz/ short circuit protection	:	gegen äußeren Kurzschluss/ against external short circuit
Temperaturumschalter/ temperature switch	:	---
MOSFET	:	in Masse in Gnd
Rückstellkriterium/ release condition	:	Last trennen, Aktiv nach Anladen/ cut load, release after charging up
Nettogewicht/ net weight	:	ca./ approx. 100g
Leiterplattenmaterial/ pcb material	:	FR4
Standards	:	CE



batterypack covered with 2 layers of shrinktube

Verwendungsbereich/Application range für Anfrage/for inquiry AN-IS-2013-00425		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	23.10. JE	Li-Ion Battery 3.7V 5200mAh with safetyboard	
				Zeichnungsnummer/Drawing number	
				2447-3033-01	
				Blatt/ Sheet	
				1	
Version		Änderung/Change	Datum/Date Name	Ursprung/Origin Proj. IS-2013-00425	Ersatz durch/Replacement through