

The supplier acknowledges that, with the acceptance of the drawing, he is liable to manufacture the described part in accordance with the drawing's requirements. He is not liable for any damage caused by the use of the drawing. The manufacturer shall be held responsible for the accuracy of the drawing. The manufacturer shall be held responsible for the accuracy of the drawing. The manufacturer shall be held responsible for the accuracy of the drawing.

Technische Daten/  
technical data : Akkupack/  
battery pack  
Chemie/  
chemistry : Lithium Ion  
Zellenzahl/  
no. of cells : 4 Zellen/ cells ; 2S2P  
Zellentyp/  
cell type : INR18650 LGC 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 : < 100mOhm (battery and safetyboard)

Nominalspannung/  
nominal voltage : 7.4V

Standard Ladespannung/  
standard charge voltage : 8.4V±1%

Standard Entladespannung/  
standard discharge voltage : 5.5V

Nominaler Ladestrom/  
nominal charge current : 0.5C

Maximaler Ladestrom/  
maximum charge current : 5000mA (limited by safetyboard)

Ladeendstrom/  
charge end current : 0.01C recommended

Maximaler Entladestrom/  
maximum discharge current : 5000mA (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

Überladeschutzspannung/  
over charge voltage detection : 4.3V±25mV per cell

Wiedereinschaltspannung/  
over charge release voltage : 4.1V±50mV per cell

Entladeabschaltspannung/  
over discharge detection voltage : 2.4V±50mV per cell

Wiedereinschaltspannung/  
over discharge release voltage : 2.8V±250mV per cell

Nominaler Lade/Entladestrom/  
nominal operating current : 5A

Entlade Abschaltstrom/  
discharge cut off current : 13A± 3A

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

Temperaturschalter/  
temperature switch : ---

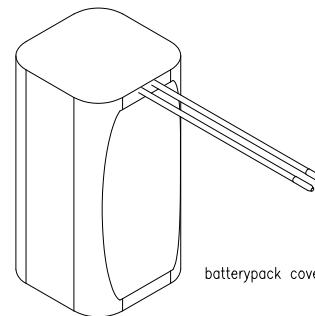
MOSFET : in Masse  
in Gnd

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

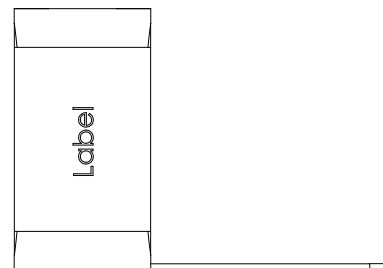
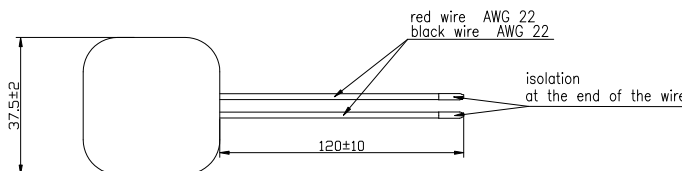
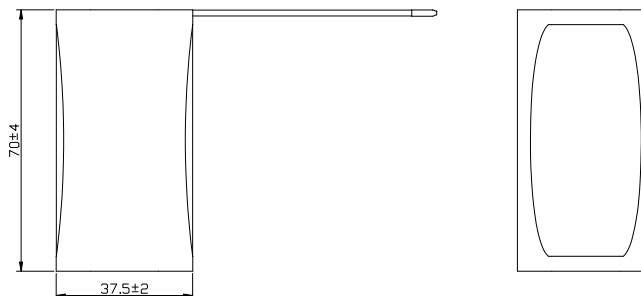
Nettogewicht/  
net weight : 196g

Leiterplattenmaterial/  
pcb material : FR4

Standards : CE



battery pack covered with 2 layers of blue shrinktube



Verwendungsbereich/Application range für Anfrage/for inquiry IS-2013-001430		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	Zeichnungsname/Drawing name	
		Zeichner/ Drawn by	23.10.	JE	Li-Ion Battery 7.4V 5200mAh
					with safetyboard
V2	changed cell description	18.12.17	DS		
V1	change request: DE-15-0022	15.01.16	MSL		
V0	technical data corrected	24.06.15	JH		
V0	Label added in drawing	25.06.14	EGall		
Version		Änderung/Change		Datum/Date Name	
		Ursprung/Origin Proj. IS-2013-00430		Ersatz für/Replaced by	
		Ersatz durch/Replacement through		Zeichnungsnummer/Drawing number Artikelnummer/Part number 2447-3049-01	
				Blatt/ Sheet 1	

