

This drawing may not be used, reproduced or made available in any part in any way without written or prior written approval.

The supplier acknowledges that, with the acceptance of this drawing, he is in a position to manufacture the illustrated part in accordance with the drawing's requirements. The supplier is not responsible for the consequences of the use of the drawing for the manufacture of the part. The supplier is not responsible for the consequences of the use of the drawing for the manufacture of the part. The supplier is not responsible for the consequences of the use of the drawing for the manufacture of the part.

Technische Daten/
technical data : Akkupack/
battery pack
Chemie/
chemistry : Li-Ion
Zellenzahl/
no. of cells : 6 Zellen/ cells 18650 3S2P
Zellentyp
cell type : LG B4
Kapazität/
capacity : nom. 5200AH discharge at 0.2C
min. 5000AH discharge at 0.2C
to:20°C; EV(Discharge End Voltage): 2.75V per cell

Innenwiderstand/
impedance : < 120mOhm (battery and safetyboard)
Nominalspannung/
nominal voltage : 11.1V
Standard Ladespannung/
standard charge voltage : 12.6V±1%
Standard Entladespannung/
standard discharge voltage : 8.25V
Maximaler Ladestrom/
maximum charge current : 1C
Ladeendstrom/
charge end current : 0.01C recommended
Maximaler Entladestrom/
maximum discharge current : 7A (limited by safety board)

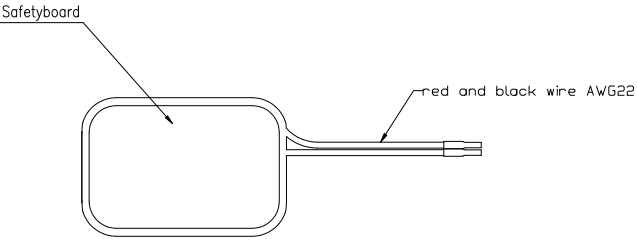
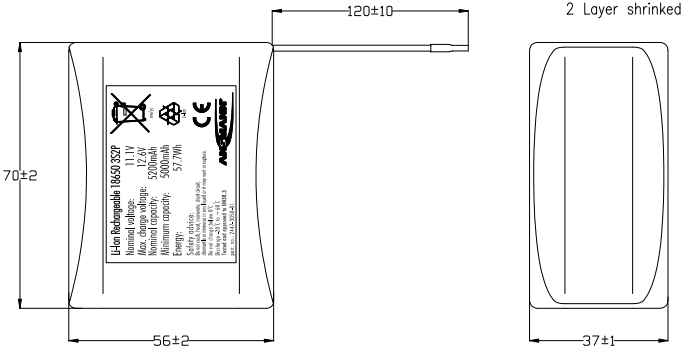
Anwendungstemperaturbereich/
ambient temperature range : 0°C...+45°C charge
-20°C...+60°C discharge
-20°C...+30°C storage max. 1 year
-20°C...+45°C storage max. 3months

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

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

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 : 280g
Standards : CE



Verwendungsbereich/Application range für Anfrage/for inquiry IS-2013-00429				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 Zustell/ Drawn by	Datum/Date 23.10.	Name JE	Zeichnungsname/Drawing name Li-Ion Battery 11.1V 5200mAh with safetyboard
V1	technical data corrected	25.06.15	JH				
V1	values corrected	17.01.14	JE				
V1	values corrected	17.01.14	JE				
Version	Änderung/Change	Datum/Date	Name	Ursprung/Origin Proj.	IS-2013-00429	Ersatz für/Replaced by	Ersatz durch/Replacement through

2447-3050-01

Blatt/
Sheet
1