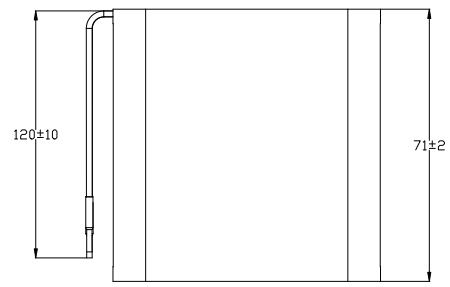
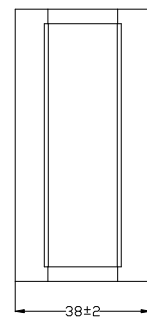
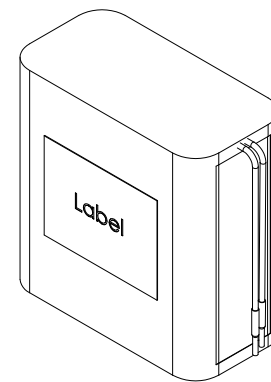
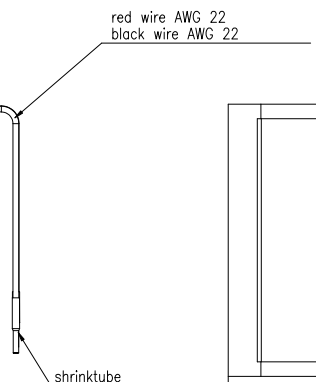
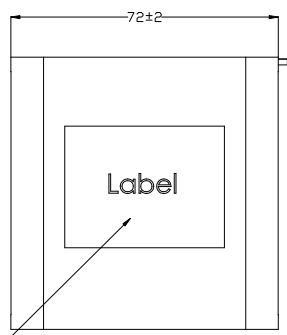


The supplier acknowledges that, with this acceptance of this drawing, he is in a position to manufacture the illustrated part in accordance with the drawing to reproduce the dimensions of the component. The supplier is not responsible for any deviations from the drawing which may occur during production.

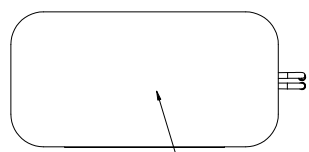
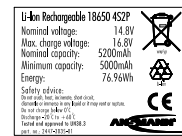
This drawing may not be copied, reproduced or made available to third parties for any other purpose without the prior written approval.

- Technische Daten/  
technical data : Akkupack/  
batterypack
- Chemie/  
chemistry : Li-Ion
- Zellenzahl/  
no. of cells : 8 Zellen/ cells 18650 4S2P  
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 : < 180mOhm (battery and safetyboard)
- Nominalspannung/  
nominal voltage : 14.8V
- Standard Ladespannung/  
standard charge voltage : 16.8V±1%
- Standard Entladespannung/  
standard discharge voltage : 11V
- 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 : 4000mA (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 batterypacks type tested according  
to UN manual of test and criteria subsection 38.3



batterypack covered with 2 layers of shrinktube

- Technische Daten/  
technical data : Sicherheitsschaltung/  
safety board
- Überladeschutzspannung/  
over charge voltage detection : 4.325V±75mV per cell
- Wiedereinschaltspannung/  
over charge release voltage : 4.15V±50mV per cell
- Entladeabschaltspannung/  
over discharge detection voltage : 2.4V±80mV per cell
- Wiedereinschaltspannung/  
over discharge release voltage : 3V±100mV per cell
- Nominaler Lade/Entladestrom/  
nominal operating current : 4A
- Entlade Abschaltstrom/  
discharge cut off current : 15A± 5A
- 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 : 370g
- Leiterplattenmaterial/  
pcb material : FR4
- Standards : CE



safetyboard

Verwendungsbereich/Application range für Anfrage/for inquiry AN-IS-2013-00427		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 14.8V 5200mAh with safetyboard	
		Zeichnungsnummer/Drawing number Artikelnummer/Part number			Blatt/ Sheet
VO ---		XX.XX.XX XX	2447-3035-01		1
Version	Änderung/Change	Datum/Date Name	Ursprung/Origin Proj. IS-2013-00427	Ersatz für/Replaced by	Ersatz durch/Replacement through