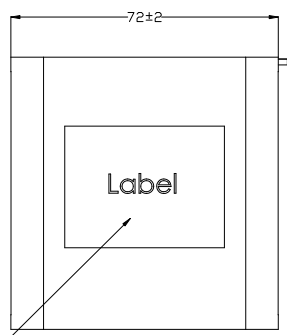


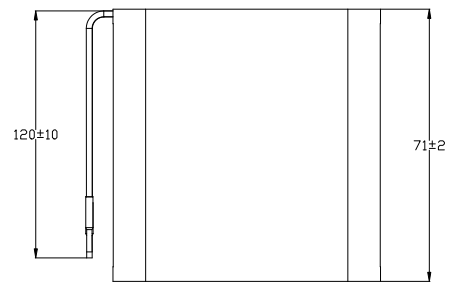
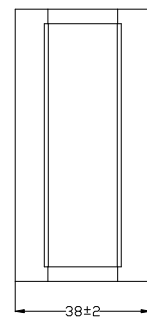
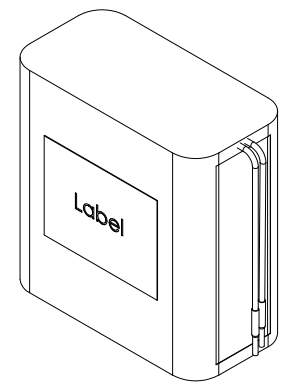
The drawing may not be used, reproduced or made available to third parties for any other purpose without the written approval of the manufacturer.

- Technische Daten/
technical data : Akkupack/
batterypack
- Chemie/
chemistry : Li-Ion
- Zellenzahl/
no. of cells : 8 Zellen/ cells 18650 4S2P
Samsung SDI 26H
- Kapazität/
capacity : nom. 5200mAh discharge at 0.2C
min. 5100mAh discharge at 0.2C
ta:20°C; EV(Discharge End Voltage): 2.75V per cell
- Innenwiderstand/
impedance : < 130mOhm (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



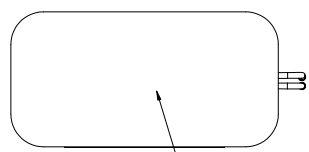
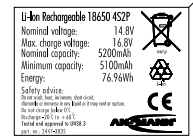
red wire AWG 22
black wire AWG 22

shrinktube



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
- Temperaturswitcher/
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-2013-00134		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	06.06.	JE	Li-Ion Battery 14.8V 5200mAh with safetyboard
				Zeichnungsnummer/Drawing number Artikelnummer/Part number	
				2447-3035	
VO	---	XX.XX.XX	XX	Blatt/ Sheet	
Version	Änderung/Change	Datum/Date Name	Ursprung/Origin Proj. IS-2013-00134	Ersatz für/Replaced by	Ersatz durch/Replaced through

