

The supplier acknowledges that, with the acceptance of the drawing, he is in a position to manufacture the illustrated part in accordance with the drawing in reproducible form and series production. Through the selected manufacturing processes no impairments will arise in the material and structure which could subsequently lead to an impairment of the components. Verbal agreements over and above this are not valid. Deviations from this are not to be written and must be signed by the purchaser.

This drawing may not be copied, reproduced or made available to third parties in any way whatsoever without our prior written approval.

Technische Daten/
technical data
Chemie/
chemistry
Zellenzahl/
no. of cells
Zellentyp/
cell type
Kapazität/
capacity

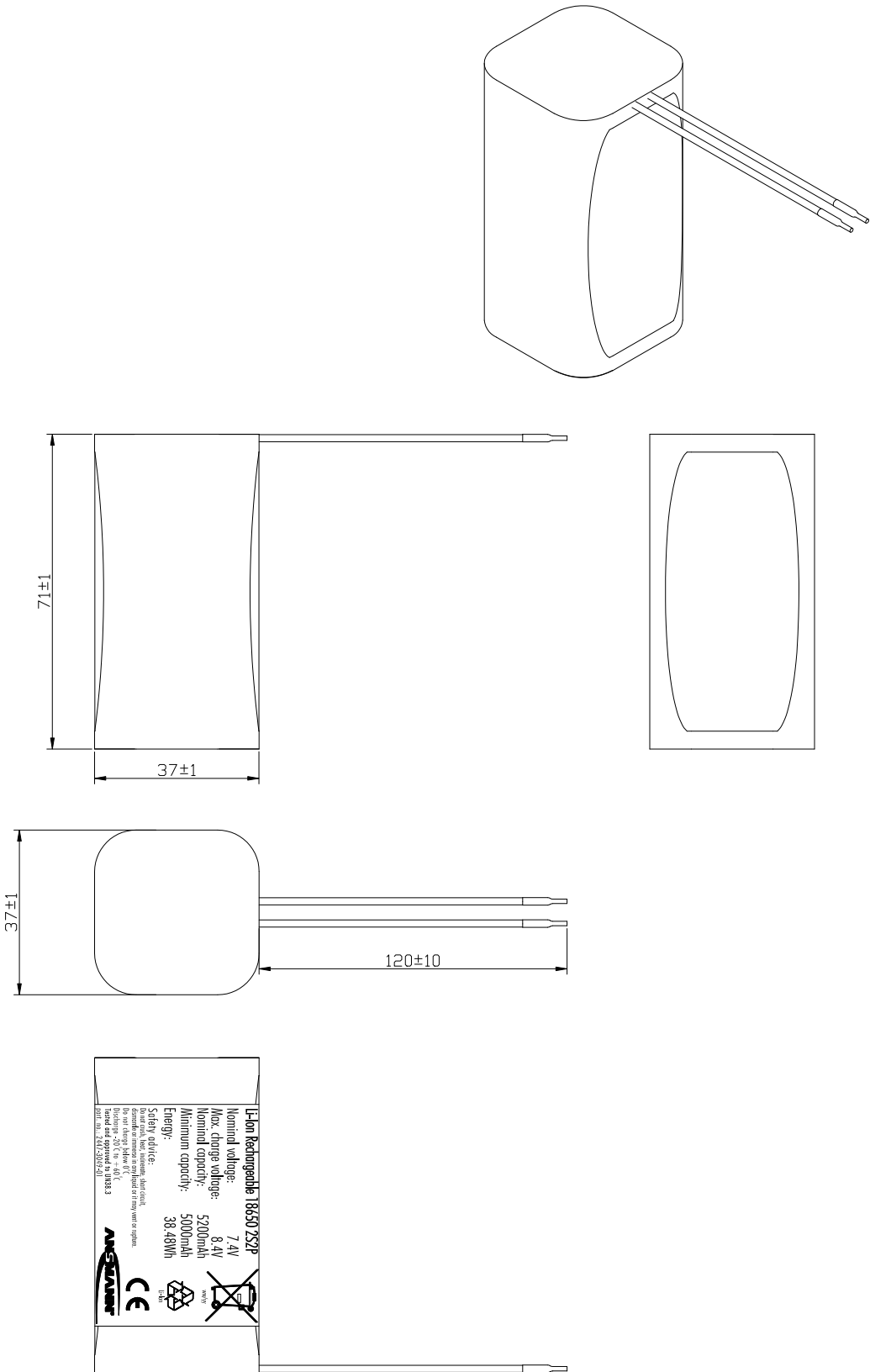
: Akkupack/
batterypack
: Li-Ion
: 4 Zellen/ cells 18650 2S2P
: LG B4
: nom. 5200mAh discharge at 0.2C
min. 5000mAh discharge at 0.2C
ta:20°C; EV(Discharge End Voltage): 2.75V per cell

Innenwiderstand/
impedance
Nominalspannung/
nominal voltage
Standard Ladespannung/
standard charge voltage
Standard Entladespannung/
standard discharge voltage
Nominaler Ladestrom/
nominal charge current
Maximaler Ladestrom/
maximum charge current
Ladeendstrom/
charge end current
Maximaler Entladestrom/
maximum discharge current
Anwendungstemperaturbereich/
ambient temperature range
Selbstentladung/
self discharge
Standards/

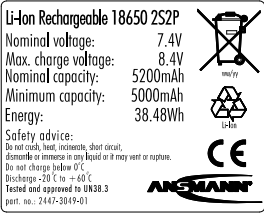
: < 100m0hm (battery and safetyboard)
: 7.4V
: 8.4V±1%
: 5.5V
: 0.5C
: 1C
: 0.01C recommended
: 2C
: 0°C...+45°C charge
-20°C...+60°C discharge
-20°C...+30°C storage max. 1 year
-20°C...+45°C storage max. 3months
: ≤ 5% / month at20°C
≤ 10% / month at30°C
≤ 20% / month at40°C
: UN 3480, Subsection 38.3
All cells and batterypacks type tested according to UN manual of test and criteria subsection 38.3

Technische Daten/
technical data
Überladeschutzspannung/
over charge voltage defection
Wiedereinschaltspannung/
over charge release voltage
Entladeabschaltspannung/
over discharge detection voltage
Wiedereinschaltspannung/
over discharge release voltage
Nominaler Lade/Entladestrom/
nominal operating current
Entlade Abschaltstrom/
discharge cut off current
Kurzschlusschutz/
short circuit protection
Temperarurschalter/
temperature switch
MOSFET
Rückstellkriterium/
release condition
Nettogewicht/
net weight
Leiterplattenmaterial/
pcb material
Standards

: Sicherheitsschaltung/
safety board
: 4.3V±25mV per cell
: 4.1V±50mV per cell
: 2.4V±50mV per cell
: 2.8V±250mV per cell
: 5A
: 13A± 3A
: gegen äußeren Kurzschluss/
against external short circuit
: ---
: in Masse
in Gnd
: Last trennen, Aktiv nach Anladen/
cut load, release after charging up
: 196g
: FR4
: CE



Label



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	Name		Zeichnungsname/Drawing name			
				Erstellt/ Drawn by	23.10.	JE		Li-Ion Battery 7.4V 5200mAh with safetyboard			