

The supplier acknowledges that, with the acceptance of the drawing, he is liable to manufacture the illustrated part in accordance with the drawing, irrespective of the content of the drawing. Any deviations must be reported to the customer. The customer is responsible for the correct interpretation of the drawing. The customer is responsible for the correct interpretation of the drawing.

This drawing may not be used, reproduced or disseminated in any form without the written approval of the manufacturer.

Technische Daten/  
technical data : Akku/  
battery

Chemie/  
chemistry : Li-Ion

Zellenzahl/  
no. of cells : 1 Zelle/ cell 18650 LG B4

Kapazität/  
capacity : nom. 2600mAh discharge at 0.2C  
min. 2500mAh discharge at 0.2C  
to:20°C; EV(Discharge End Voltage): 2.75V per cell

Innenwiderstand/  
impedance : < 100m0hm (battery and safetyboard)

Nominalspannung/  
nominal voltage : 3.7V

Standard Ladespannung/  
standard charge voltage : 4.2V±1%

Standard Entladespannung/  
standard discharge voltage : 2.75V per cell

Nominaler Ladestrom/  
nominal charge current : 0.5C

Maximaler Ladestrom/  
maximum charge current : 2500mA (limited by safetyboard)

Ladeendstrom/  
charge end current : 0.01C recommended

Maximaler Entladestrom/  
maximum discharge current : 2500mA (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

Technische Daten/  
technical data : Sicherheitsschaltung/  
safety board

Überladeschutzspannung/  
over charge voltage detection : 4.325V±50mV

Wiedereinschaltspannung/  
over charge release voltage : 4.15V±50mV

Entladeabschaltspannung/  
over discharge detection voltage : 2.5V±100mV

Wiedereinschaltspannung/  
over discharge release voltage : 3V±100mV

Nominaler Lade/Entladestrom/  
nominal operating current : 2.5A

Entlade Abschaltstrom/  
discharge cut off current : 5A±1A

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

Temperaturschalter/  
temperature switch : ---

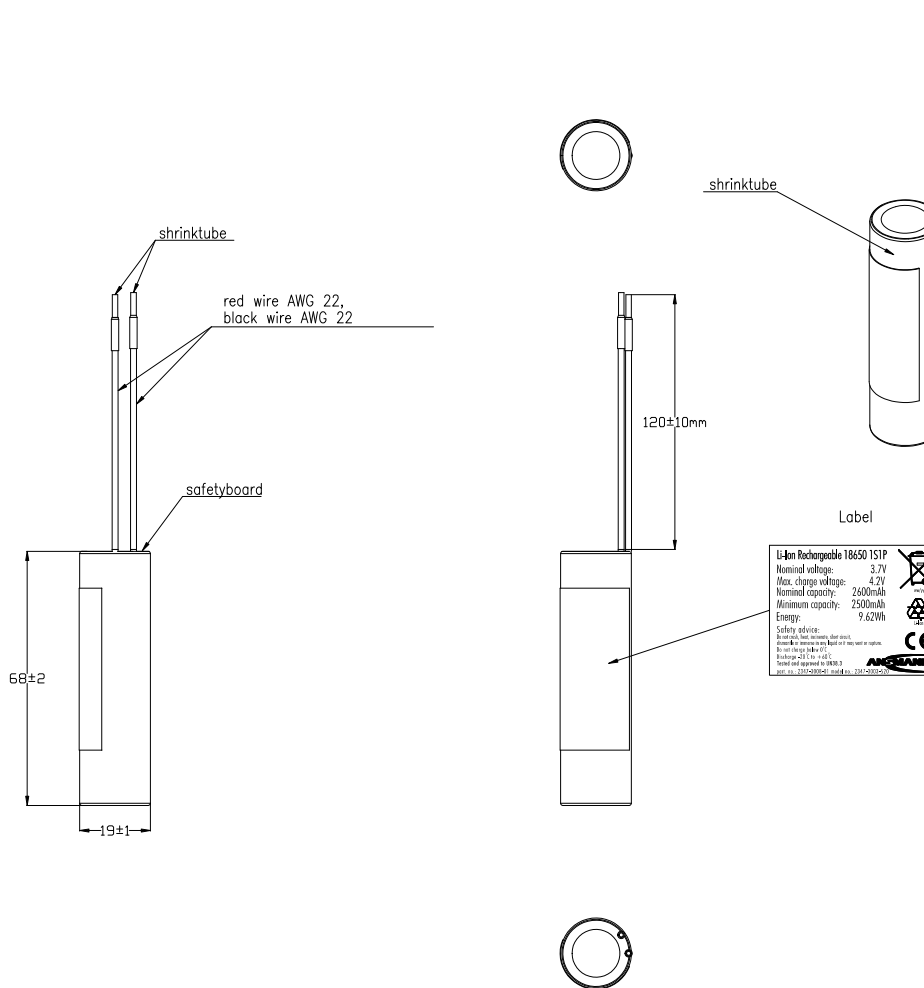
MOSFET : in Masse  
in Gnd

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

Nettogewicht/  
net weight : 47.5g

Leiterplattenmaterial/  
pcb material : FR4

Standards : CE



Verwendungsbereich/Application range für Anfrage/for inquiry		Zul. Abweichung/ Allowable deviation	Oberfläche/ Surface	Maßstab/Scale (DIN A2): 1:1	Gewicht/Weight
		Allgemeintoleranz DIN ISO 2768-m		Werkstoff/Work material, Modell-Nr.	
		2015 Datum/Date	Name	Zeichnungsname/Drawing name	
		Zeichner/ Drawn by	JH	Li-Ion Battery 3.7V 2600mAh with safetyboard	
				Zeichnungsnummer/Drawing number	
				Artikelnummer/Part number	
V0 --- XX.XX.XX				2347-3003-520 Blatt/ Sheet 1	
Version	Änderung/Change	Datum/Date	Name	Ursprung/Origin Proj.	Ersatz für/Replaced by
					Ersatz durch/Replacement through