

The upper annotations that, with the acceptance of the drawing, are in addition to what is stated in the drawing in accordance with the drawing in reproducible form. The lower annotations that, with the acceptance of the drawing, are in addition to what is stated in the drawing in accordance with the drawing in reproducible form. The upper annotations that, with the acceptance of the drawing, are in addition to what is stated in the drawing in accordance with the drawing in reproducible form.

Technische Daten/
technical data : Akkupack/
battery pack

Chemie/
chemistry : Lithium Ion

Zellenzahl/
no. of cells : 8 Zellen/ cells ICR18650 LGC B4 ; 4S2P

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

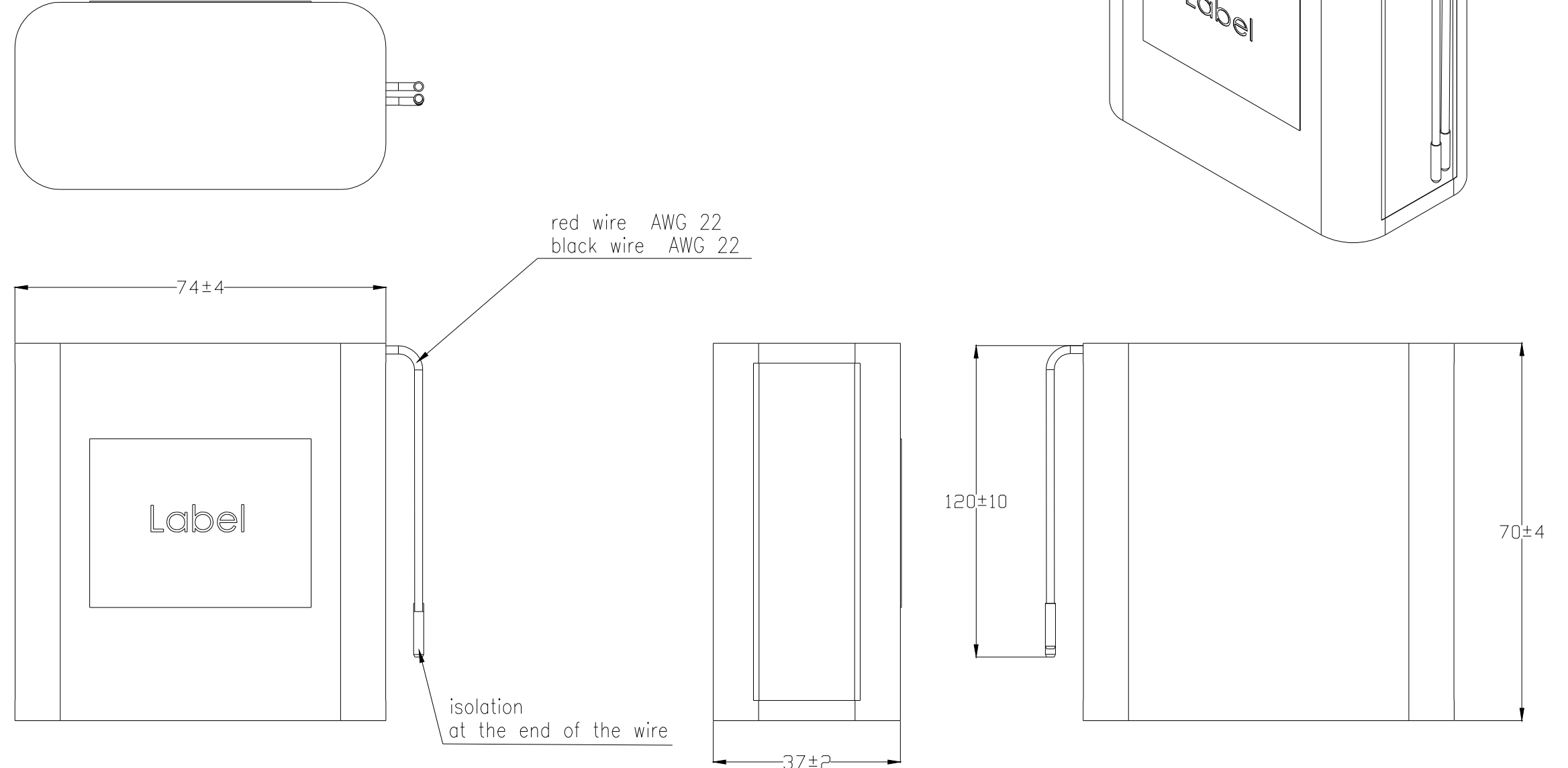
Ladeendstrom/
charge end current : 0.01C recommended

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 battery packs 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±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

Temperaturumschalter/
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

Verwendungsbereich/Application range für Anfrage/for inquiry		Zut. 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	
		Erstellt/ Drawn by	26.06.	JH	
		Zeichnungsname/Drawing name Li-Ion Battery 14.8V 5200mAh with safetyboard			
		Zeichnungsnummer/Drawing number Artikelnummer/Part number			Blatt/ Sheet
		2447-3004-520			1
V1	updated datasheet	21.09.17	MST	Ersatz für/Replaced by	
Version	Anderung/Change	Datum/Date	Name	Ersatz durch/Replacement through	

