

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 in production. In case of any change in the drawing, the manufacturer shall be notified in writing. The manufacturer shall be responsible for the accuracy of the drawing. The manufacturer shall be responsible for the accuracy of the drawing. The manufacturer shall be responsible for the accuracy of the drawing.

Technische Daten/
technical data : Akkupack/
battery pack

Chemie/
chemistry : Lithium Ion

Zellenzahl/
no. of cells : 4 Zellen/ cells INR18650-CQ-BAK; 4S1P-Block

Kapazität/
capacity : nom. 2550mAh discharge at 0.2C
min. 2500mAh discharge at 0.2C
ta:20°C; EV(Discharge End Voltage): 2.75V per cell
C=min capacity

Innenwiderstand/
impedance : -----

Nominalspannung/
nominal voltage : 14.4V

Standard Ladespannung/
standard charge voltage : 16.8V±1%

Standard Entladespannung/
standard discharge voltage : 11.0V

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 : 2.55A

Anwendungstemperaturbereich/
ambient temperature range : 0°C...+45°C charge
-20°C...+60°C discharge
-20°C...+25°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 : 4.25V±40mV per cell

Wiedereinschaltspannung/
over charge release voltage : 4.13V±50mV per cell

Entladeabschaltspannung/
over discharge detection voltage : 2.5V±80mV per cell

Wiedereinschaltspannung/
over discharge release voltage : 2.7V±100mV per cell

Nominaler Lade/Entladestrom/
nominal operating current : 3.35A

Entlade Abschaltstrom/
discharge cut off current : 12.5A± 1.875A

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

Temperaturerhalter/
temperature switch : -----

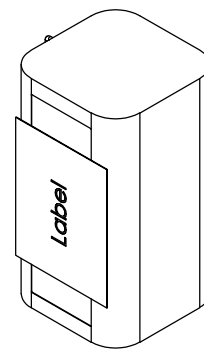
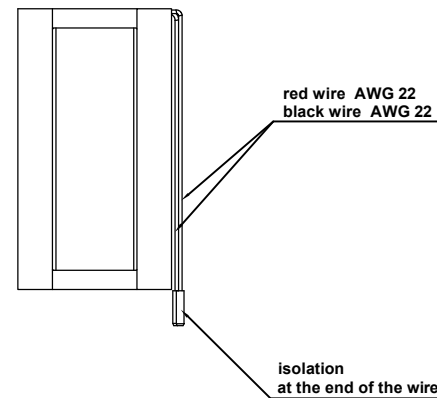
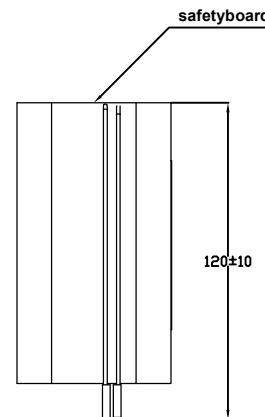
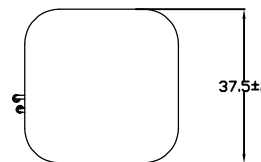
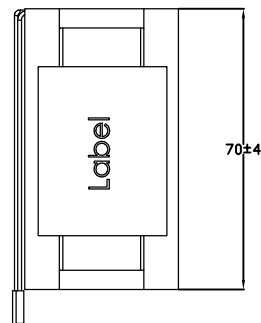
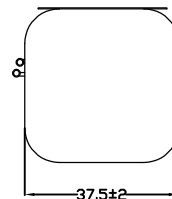
MOSFET : im Pluszweig/
in positive path

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

Nettogewicht/
net weight : -----

Leiterplattenmaterial/
pcb material : FR4

Standards : CE



battery pack covered with 2 layers of blue shrinktube

Application range for inquiry				Allowable deviation general tolerances		Tolerance principle:		Model:		Material:	
				DIN ISO 2768-m		ISO 8015		Scale (DIN A2): 1:1		All dimensions in mm	
				2021	Date	Name		Drawing name			
					23.02.	MST		Li-Ion-14.4V-2550mAh-4s1p-Block-CQ-BAK			
V4	updated text font	2023.05.26	HONG	Approved by							
V3	Modify parameter remark	2022.03.03	HONG								
V2	Modify parameter remark	2022.01.13	HONG								
V1	updated parameter	2021.12.27	HONG								
V0	---	23.02.21	MST								
Version	Change	Date	Name	Project: 710579		Replaced by:		Replacement through:		Drawing number Part number 2447-3036-50 Sheet 1/1	