

The drawing may not be used, reproduced or made available to third parties in any way without prior written approval of the manufacturer.

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

Akkupack/  
batterypack  
Lithium Ion  
2 Zellen/ cells INR18650-CQ-BAK ; 2S1P  
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

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Nominalspannung/  
nominal voltage

7.2V

Standard Ladespannung/  
standard charge voltage

8.4V±1%

Standard Entladespannung/  
standard discharge voltage

5.5V

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 at 20°C  
≤ 10% / month at 30°C  
≤ 20% / month at 40°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

Sicherheitschaltung/  
safety board

Überladeschutzspannung/  
over charge voltage detection

4.28V±50mV per cell

Wiedereinschaltspannung/  
over charge release voltage

4.08V±70mV per cell

Entladeabschaltspannung/  
over discharge detection voltage

2.8V±100mV per cell

Wiedereinschaltspannung/  
over discharge release voltage

3.0V±120mV per cell

Nominaler Lade/Entladestrom/  
nominal operating current

3.35A

Entlade Abschaltstrom/  
discharge cut off current

5A± 1A

Kurzschlusschutz/  
short circuit protection

gegen äußeren Kurzschluss/  
against external short circuit

Temperaturswitcher/  
temperature switch

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MOSFET

in Masse

in Gnd

Rückstellkriterium/  
release condition

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

Nettogewicht/  
net weight

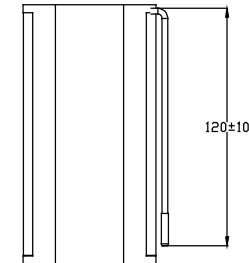
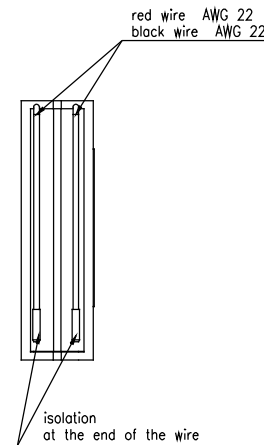
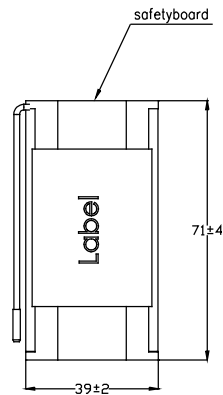
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Leiterplattenmaterial/  
pcb material

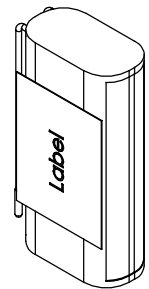
FR4

Standards

CE



batterypack covered with 1 layer 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			
		Drawn by	22.02.		MST	Li-Ion-7.2V-2550mAh-2s1p-CQ-BAK			
		Approved by				Drawing number Part number			
V3	Modify parameter remark	2022.03.03	HONG			2447-3030-50		Sheet 1/1	
V2	updated current parameter	2022.01.13	HONG						
V1	updated parameter	2021.12.27	HONG						
V0	---	22.02'21	MST						
Version	Change	Date	Name	Project	31-2331-2332	Replaced by:		Replacement through:	