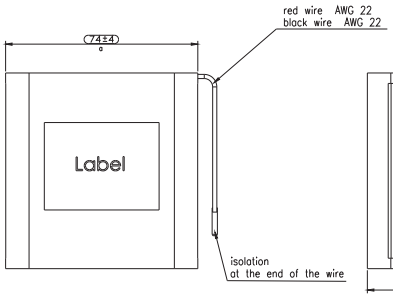
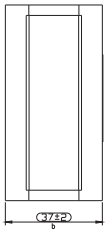
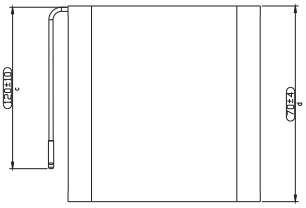
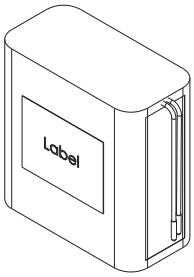
Technische Daten/ technical data	:	Akkupack/ batterypack
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	8 Zellen/ cells INR18650 M26 LG ; 4S2P
Kapazität/ capacity	:	nom. 5200mAh discharge at 0.2C min. 5000mAh discharge at 0.2C ta:20°C; EV(Discharge End Voltage): 2.75V per cell
Innenwiderstand/ impedance	:	< 180mOhm (battery and safetyboard)
Nominalspannung/ nominal voltage	:	14.4V
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...+20°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



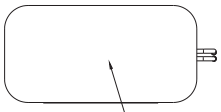






batterypack covered with 1 layer of blue shrinktube

Technische Daten/ technical data	:	Sicherheitsschaltung/ safety board
Überladeschutzspannung/ over charge voltage detection	:	4.35V±25mV 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
Kurzschlussschutz/ short circuit protection	:	gegen äußeren Kurzschluss/ against external short circuit
Temperarurschalter/ temperature switch	:	PTC: JK-P600 20V/ 6A at 25°C ; 5.2A at 40°C
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, UKCA



Part Number	SAP Description
2447-3035-03	Li-Ion-14.4V-5200mAh-4S2P-M26
2447-3035-203	Li-Ion-14.4V-5200mAh-4S2P-M26/UK

Version	Change	Date	Name
V3	standards updated	01.06.2021	DS
V2	change request: DE-20-5013	24.03.2020	MSt
V1	part number overview added	15.04.2019	DS

Allowable deviation general tolerances: DIN ISO 2768-m

Surface:

	Date	Name
Drawn by	25.01.2019	MSt
Changed by		

ANSMANN

Material:

Weight

Scale (DIN A2): 1:1

Projection method: 1

Product name: Li-Ion-14.4V-5200mAh-4S2P-M26

Part number: 2447-3035-X03

Project: IS-00427

Application range for inquiry: AN-IS-2013-00427

Sheet: 1/1

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