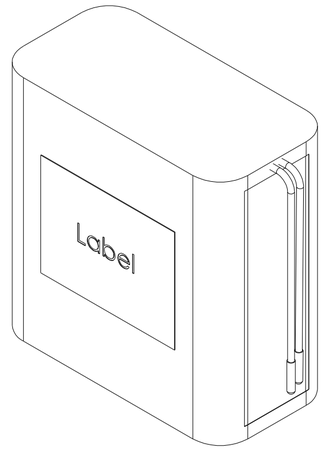
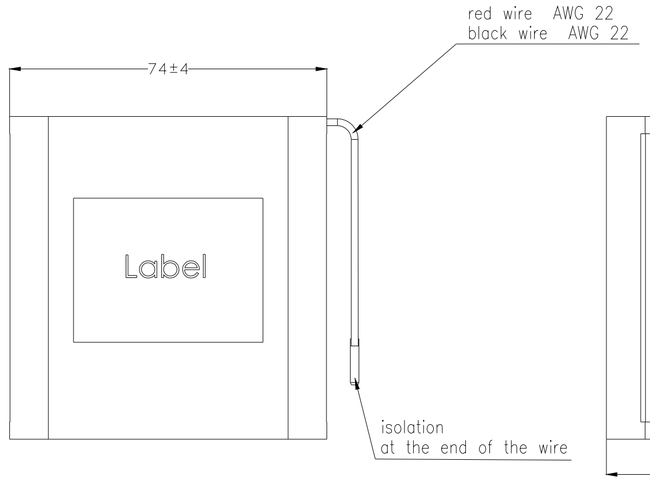
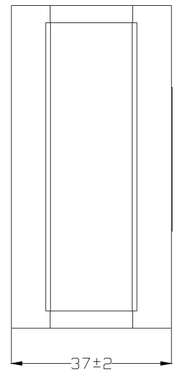
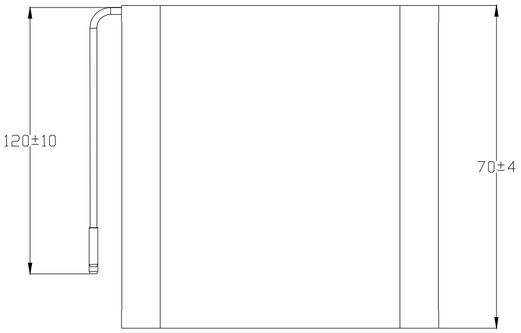
The supplier acknowledges that, with the acceptance of the drawing, he is in position to manufacture the illustrated part in accordance with the drawing or reproducible from the drawing. The drawing is the property of ANSMANN AG and may not be copied, reproduced or made available to third parties in any way whatsoever without prior written approval. Deviations from the drawing are not valid unless they have been approved in writing by ANSMANN AG. Verbal agreements over and above that are not valid. Deviations from this rule must be in writing and must be signed by the purchaser.

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



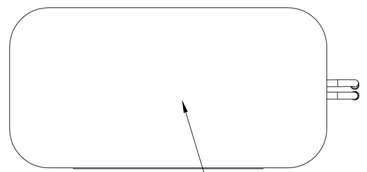






batterypack covered with 1 layer of blue shrinktube

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



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

Verwendungsbereich/Application range: für Anfrage/for inquiry AN-IS-2013-00427				Zul. Abweichung/ Allowable deviation	Oberfläche/ Surface	Maßstab/Scale (DIN A2): 1:1	Gewicht/Weight
				Allgemeintoleranz DIN ISO 2768-m		Werkstoff/Work material, Modell-Nr.	
				2019	Datum/Date: 25.01.	Name: MSt	Zeichnungsname/Drawing name: Li-Ion Battery 14.4V 5200mAh with safetyboard
				Erstellt/ Drawn by			
V2	change request: DE-20-5013	24.03.'20	MSt	ANSMANN		Zeichnungsnummer/Drawing number Artikelnummer/Part number: 2447-3035-X03	Blatt/ Sheet: 1
V1	part number overview added	15.04.19	DS				
V0	---	XX.XX.XX	XX				
Version	Änderung/Change	Datum/Date	Name	Ursprung/Origin Proj. IS-2013-00427		Ersatz für/Replaced by	Ersatz durch/Replacement through