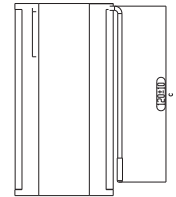
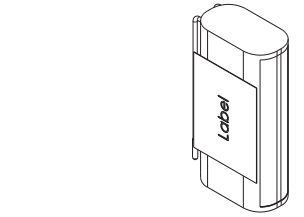
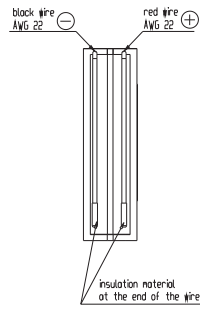
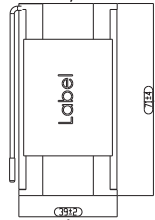
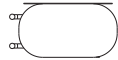


Technische Daten/ technical data	: Akkupack/ battery pack
Chemie/chemistry	: Lithium Ion
Model name	: 18650 2S1P 21NR19/66
Zellenzahl/ no. of cells	: 2 Zellen/ cells
Zellentyp/ cell type	: LG Chem IMR18650 M.JI
Kapazität/ capacity	: nom. 3500mAh discharge at 0.2C min. 3300mAh discharge at 0.2C ta20°C; EVIDischarge End Voltage: 25V per cell
Innenwiderstand/ impedance	: < 140mΩ (battery and safetyboard)
Nominalspannung/ nominal voltage	: 7.27V
Standard Ladespannung/ standard charge voltage	: 8.4V
Standard Entladespannung/ standard discharge voltage	: 5.0V
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	: 5000mA (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 at 20°C ≤ 10% / month at 30°C ≤ 20% / month at 40°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 IEC62133-2:2017
Technische Daten/ technical data	: Sicherheitsschaltung/ safety board 10180-3029
Überladeschutzspannung/ over charge voltage detection	: 4.3V±25mV per cell
Wiedereinschaltspannung/ over charge release voltage	: 4.1V±50mV per cell
Entladeschutzspannung/ over discharge detection voltage	: 2.4V±50mV per cell
Wiedereinschaltspannung/ over discharge release voltage	: 3.0V±100mV per cell
Nominaler Lade/Entladestrom/ nominal operating current	: 5A
Entlade Abschaltstrom/ discharge cut off current	: 12A± 3A
Kurzschlusschutz/ short circuit protection	: gegen äußeren Kurzschluss/ against external short circuit
Temperaturschalter/ temperature switch	: PTC : JK-P730 20V/7.3A at 25°C; 62A at 40°C
MOSFET	: in Mosse in Gnd
Rückstellkriterium/ release condition	: Last trennen, Aktiv nach Anladen/ cut load, release after charging up
Leiterplattmaterial/ pcb material	: FR4
Nettogewicht/ net weight	: ca./ approx. 10lg
Standards	: CE, UKCA



Battery pack covered with 2 layers of blue shrinktube

Part Number	SAP Description
2447-3030-20	Li-Ion-7.27V-3500mAh-2S1P-PTC/LG
2447-3030-220	Li-Ion-7.27V-3500mAh-2S1P-PTC/UK

Allowable deviation general tolerances		Surface:	Material:	Weight
DM ISO 2768-mS			Scale (DN A2): 1:1	1
V7 standards updated 07.08.2019 DS		Date	Projection method	
V6 change request: GB-2627004 04.02.2020 DS		Name	1st	
V5 change request: DE-2426913 13.02.2020 MS		Drawn by	Product name:	
V4 add the SIP model name 13.02.2020 ZC		changed by	Li-Ion-7.27V-3500mAh-2S1P-PTC/LG	
V3 part number overview added 15.04.2019 DS			Part number	
V2 cable length changed 16.01.2019 DS			2447-3030-X20	
V1 change request: DE-174071 04.11.2017 DS			Project: IS-01263	
V0 created this Dwg 12.03.2016 JF			Application range for inquiry XXX/XX	
Version	Change	Date	Name	Sheet 1/1

