

PA-LS19.R001



*picture only for reference

Dimensions

Lenght	45.5mm	± 1mm
Width	19.7 mm ⁽¹⁾	± 1mm
Height	71mm	± 1mm

(1) swelling after 600 cycles up to 1.6mm

Data for Pack

Nominal voltage		3.65V	2.5V - 4.2V
Nominal capacity		4Ah	typical
Used cell in pack		1pcs	Saft MP174565 integration XTD
Internal resistance pack		100mΩ	±10%
Max charge voltage		4.2V	max.
Charge current	standard	0.8A	-30°C < T < 85°C
	rapid	3A	-30°C < T < 85°C *limited by connector
Discharge	standard	0.8A	-40°C < T < 85°C
	max. cont.	3A	-40°C < T < 85°C *limited by connector
	max. peak	12A	-40°C < T < 85°C t < 2ms
Short circuit current		≤ 24A	< 320 μs
NTC		10kΩ	Tolerance 5%; B-value 25°C/85°C = 3980K
Connector	Hersteller	Type	Pin1 Bat+ red Pin4 NTC white
			Pin2 SDA blue Pin5 GND black
			Pin3 SCL yellow
Cable Length		70mm	± 5 mm
Weight		105g	± 5g
Watt-hour rating		15Wh	acc. to UN38.3 Certificate from cell manufacturer

1) below 0°C with limited performance in current output and available capacity 2) Cell temperature, not ambient temperature

Limitations by Safety Unit (SU) @ Ta 25°C

over voltage (per cell)	cut off	4.215V	± 0.025V
	release	4.115V	± 0.025V
under voltage (per cell)	cut off	2.3V	± 0.05V
	release	2.4V	± 0.05V
Current Limit 1 by SU		3.8A	t < 9ms
Current Limit 2 by SU		12.4A	t < 2.24ms
short circuit protection		≤ 24A	< 320μs typical
Power consumption	active	70μA	max. 100μA
	shutdown	10 μA	max. 25μA

Recommended Charger

C-LIO-1SN15-1.8M_DIN4GPN.R001