

PA-LS419.R001



*picture only for reference

Dimensions

Length	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 XTD	
Internal resistance pack	100mΩ	±10%	
Max charge voltage	4.2V	max.	
Charge current	standard	0.8A	0°C < T < 85°C; (charge below 0°C down to -30°C max. 0,5A) ²⁾
	rapid	3A	0°C < T < 60°C ²⁾
Discharge	standard	0.8A	-40°C < T < 85°C ^{1) 2)}
	max. cont.	3A	-40°C < T < 85°C *limited by connector ^{1), 2)}
	max. peak	12A	-40°C < T < 85°C t < 2ms ^{1), 2)}
Short circuit current	≤ 24A	< 320 μs	
NTC	10kΩ	Tolerance 5%; B-value 25°C/85°C = 3980K	
Connector	JST	XHP-5	Pin1 Bat+ red Pin4 NTC white
			Pin2 nc blue Pin5 GND black
			Pin3 nc 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	4.275V	± 0.025V
	release	4.075V	± 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