

# PA-LS419.R001



A part of Celltech Group

## Dimensions

Length	45.5mm	± 1mm
Width	19.7 mm <sup>(1)</sup>	± 1mm
Height	71mm	± 1mm

(1) swelling after 600 cycles up to 1.6mm



\*picture only for reference

## 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	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	4.215V	± 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