

PA-L2138.R001



Dimensions

Length	50.5	± 1mm
Width	11	± 0.5mm
Height	41	± 1mm



IEC 62133 2nd. Ed.

Data for Pack

Nominal voltage	3.6V	2.75V - 4.2V, in medical application max. 4,10V recommended			
Nominal capacity	2350mAh	typical			
Used cell in pack	1pcs	Panasonic NCA-103450A			
Internal resistance pack	172mΩ	±10%			
Max charge voltage	4.2V				
Charge current	standard	0.5A	0°C < T < 45°C		
	rapid	1.5A	10°C < T < 45°C		
Discharge	standard	0.56A	-20°C < T < 60°C *below 0°C with limited performance		
	max. cont.	2A	-20°C < T < 45°C *below 0°C with limited performance		
	max. peak	10A	-20°C < T < 45°C t < 1.8ms *below 0°C with limited performance		
Short circuit current	≤29A	< 2.4 ms			
NTC	10kΩ	Tolerance 5%; B-value 25°C/85°C = 3980K			
Connector	JST	XHP3	Pin1	GND	Black
			Pin2	NTC	Yellow
			Pin3	Bat+	Red
Cable Length	45mm	± 5mm			
Weight	45g	± 5g			
Watt-hour rating	8Wh	acc. to UN38.3 Certificate from cell manufacturer			

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

over voltage (per cell)	cut off	4215mV	± 25mV			
	release	4115mV	± 25mV			
under voltage (per cell)	cut off	2300mV	± 50mV			
	release	2400mV	± 100mV			
current limit 1	min.	typical	max	min.	typical	max
	≥ 2.9A	≥ 3.3A	≥ 3.7A	7.2ms	9ms	11ms
	≥ 10A	≥ 12.8A	≥ 15.4A	1.8ms	2.24ms	2.7ms
current limit 2	≥ 23.1A	≥ 30.8A	≥ 38.5A	220μs	320μs	380μs
Power consumption	active	50μA	±5%			
	power down	< 10μA				
ESD Protection	No					

Recommended Charger

C-LIO-1SN15-1.8M_DIN4GPN.R001