

# PA-LN19.R003



A part of Celltech Group

## Dimensions

Length	67 mm	± 2 mm
Width	18.5 mm	± 1 mm
Height	22 mm	± 1 mm



## Data for Pack

Nominal voltage	3.6V	3V - 4.2V			
Nominal capacity	2950mAh	typical			
Used cell in pack	1pcs	Panasonic NCR-18650TD			
Internal resistance pack	110mΩ	±10%			
Max charge voltage	4.2V	max.			
Charge current	standard	580mA	10°C < T < 45°C		
	rapid	1950mA	10°C < T < 45°C		
Discharge	standard	580mA	-20°C < T < 60°C *below 0°C with limited performance		
	max. cont.	2200mA	-20°C < T < 60°C *below 0°C with limited performance		
	max. peak	2950mA	-20°C < T < 45°C t < 1ms *below 0°C with limited performance		
Short circuit current	≥22A	> 500μs			
NTC	10kΩ	Tolerance 5%; B-value 25°C/85°C = 3980K			
Connector	JST	XHP-3	Pin1	GND	black
			Pin2	NTC	yellow
			Pin3	PLUS	red
Cable Length	45 mm	± 5 mm			
Weight	ca. 45g	± 5 g			
Watt-hour rating	9.8Wh	acc. to UN38.3 Certificate			

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

over voltage (per cell)	cut off	4275mV	± 25mV
	release	4075mV	± 25mV
under voltage (per cell)	cut off	2300mV	± 0,050 V
	release	3V	± 0,050 V
Current Limit 1 by SU		≤2.2A	continuous
Current Limit 2 by SU		≥2.95A	>2,24 ms
short circuit protection		≤20A	>320μs typical
Power consumption	active	< 12.5μA	@4.2V ±5μA
	shutdown	< 1.5μA	-0/+1μA (when Ubat < 2.25V)

## Recommended Charger

1 Cell CC/CV Charger