

# PA-LN27.R002



## Dimensions

Length	72.2	± 1 mm
Width	18.2	± 1 mm
Height	55.1	± 1 mm

## Data for Pack

Nominal voltage		10.8V	7.5V - 12.6V
Nominal capacity		2900mAh	typical
Used cell in pack		3pcs	Panasonic NCR-18650TD
Internal resistance pack		194mΩ	±10%
Max charge voltage		12.6V	
Charge current	standard	550mA	0°C < T < 45°C
	rapid	1925mA	10°C < T < 45°C
Discharge	standard	550mA	-20°C < T < 60°C 1)
	max. cont.	3000mA	-20°C < T < 45°C (limited by connector) 1)
	max. peak	8000mA	-20°C < T < 45°C t < 1ms 1)
Short circuit current		≤40A	< 300μs
NTC		10kΩ	Tolerance 5%; B-Value 25°C/85°C = 3980K
Connector	JST	XHP-3	Pin1    GND            black
			Pin2    NTC                yellow
			Pin3    VBat+                red
Cable Length		45mm	± 5mm
Weight		ca. 140g	± 5 g
Watt-hour rating		29.4Wh	acc. to UN38.3 Certificate from cell

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	4.35V	± 0.025V
	release	4.15V	± 0.050V
under voltage (per cell)	cut off	2.40V	± 0.080V
	release	3.00V	± 0.100V
Current Limit 1 by SU		4A ± 0.5A	10ms ± 5ms
Current Limit 2 by SU		10A ± 2A	1ms ± 0.6ms
short circuit protection		24A ± 6A	300μs ± 200μs
Power consumption	active	135μA	max.
	shutdown	30μA	max. (shutdown when Ucell < 2.4V)

## Recommended Charger

C-LIO-3SN12-1,8M-DIN4-P-NG.R001