

# PA-LN154.R002

Last Updated 05.2019



## Dimensions

Lenght	71	±1mm
diameter	18.5	±1mm

\*picture only for reference

## Data for Pack

Nominal voltage		3.6V	2.75V - 4.2V
Nominal capacity		2.9Ah	typical
Used cell in pack		1pcs	NCR18650TD
Internal resistance pack		220mΩ	±10% (fresh cells @4.2V)
Max charge voltage		4.2V	
Max charge current	standard	0.43A	0°C < T < 45°C
	rapid	1.2A	0°C < T < 45°C
Discharge	standard	0.43A	-20°C < T < 60°C
	max. cont.	1.2A	-20°C < T < 60°C
	max. peak	3A	-20°C < T < 60°C t < 4ms
Short circuit current		> 5A	< 400μs
NTC		10kΩ	Tolerance 5%; B-value 25°C/85°C = 3980K
Connector	JST	XHP3	Pin1: GND Pin2: NTC Pin3: Bat+
Cable Length		45mm	±5mm
Weight		ca. 47g	±5g
Watt-hour rating		9.8Wh	acc. to UN38.3 Certificate from cell

\*discharge below 0°C will result in limited discharge performance and usable capacity

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

over voltage (per cell)	cut off	4.280mV	+30mV/-45 mV
	release	4.180mV	+40mV/-70mV
under voltage (per cell)	cut off	2.300mV	+45mV/-70mV
	release	2.300mV	+45mV/-70mV
Current Limit Charge		1320mA	8ms (typical) (4.8ms – 10.24ms)
Current Limit discharge		1337mA	8ms (typical) (4.8ms – 10.24ms)
short circuit protection		>5A	250μs (typical) (150μs – 400μs)
Power consumption	active	12.5μA	20μA max.
	power down	< 1.5μA	3μA max.

\*power down modus when Ubat < under voltage cut off

## Recommended Charger

CC/CV CHARGER with NTC Control

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Fey Elektronik GmbH, Storchenweg 3, 21217 Seevetal, Germany | info@feyelektronik.de, Tel.: +49 (0)40-703-8888-0