

# PA-LN1038.R001



## Dimensions

Length	66mm	± 1mm
Width	60.5mm	± 1mm
Height	27.5mm	± 1mm

## Data for Pack

Nominal voltage	10.8V	8.25V - 12.6V				
Nominal capacity	2.9Ah	typical (2750mAh minimum)				
Used cell in pack	3pcs	Panasonic NCR-18650				
Internal resistance pack	160mΩ	±10%				
Charge voltage	12.6V	max				
Charge current	max	0.58A	0°C < T < 45°C <sup>2)</sup>			
	rapid	1.9A	10°C < T < 45°C <sup>2)</sup>			
Discharge	standard	1.45A	-20°C < T < 60°C <sup>1), 2)</sup>			
	max. cont.	3A	-20°C < T < 60°C <sup>1), 2)</sup> (Connector limitation)			
	max. peak	5A	-20°C < T < 60°C <sup>1), 2)</sup> t < 1s			
Short circuit current	~56A	< 500μs				
NTC	10kΩ	Tolerance 5%; B-value 25°C/85°C = 3980K				
Connector	JST	XHP	Pin1	Bat+	Pin4	GND
			Pin2	SMBC	Pin5	NTC
			Pin3	SMBD		
Cable Length	100mm	± 5mm				
Weight	ca. 200g	± 5g				
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	4.210V	± 0.025V
	release	4.05V	± 0.025V
under voltage (per cell)	cut off	2.75V	± 0.025V
	release	3V	± 0.025V
Current Limit 1 by SU		> 5A	t > 1s
Current Limit 2 by SU		> 7A	t > 3ms
short circuit protection		>15A	t > 427μs typical
Power consumption	active	550μA	±10μA
	shutdown	150μA	±10μA

## Recommended Charger

CC / CV Charger with NTC control