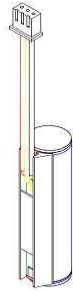


# PA-L1008.R003



## Dimensions

Length	52	±1mm
Width	14.6	±1mm
Height	17.5	±1mm

## Data for Pack

Nominal voltage	3.6V	2.75V - 4.2V ( max. 4,1V in medical applications)	
Nominal capacity	800mAh	typical (760mAh minimum)	
Used cell in pack	1pcs	Panasonic UR14500AC	
Internal resistance pack	120mΩ	±10%	
Max charge voltage	4.2V		
Max charge voltage	max	500mA	0°C < T < 45°C
	standard	500mA	-20°C < T < 60°C
Discharge <sup>*)</sup>	max. cont.	1.4A	-20°C < T < 60°C
	max. peak	2A	-20°C < T < 60°C      t < 20ms
Short circuit current	~ 28A	< 2.3ms	
NTC	10k	Tolerance 5%; B-value 25°C/85°C = 3980K	
Connector	JST	XHP3	Pin1: GND   PIN2: NTC   Pin3: Bat+
Cable Length	45mm	±5mm	
Weight	22g	±5g	
Watt-hour rating	2.7Wh	acc. to UN38.3 Certificate from cell	

<sup>\*)</sup> 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	4275mV	±25mV
	release	4075mV	±25mV
under voltage (per cell)	cut off	2300mV	±50mV
	release	2300mV	±50mV
Current Limit 1 by SU	1.9A	typical (1.44A - 2.42A)	detection time (7.2ms - 10.8ms)
Current Limit 2 by SU	7.5A	typical (5A - 10A)	detection time (1.8ms - 2.7ms)
Current Limit 3 by SU	18.1A	typical (11.25A - 25A)	detection time (256μs - 384μs)
Power consumption	active	12.5μA	15μA max.
	shutdown	5μA	8μA max.

## Recommended Charger

CC/CV CHARGER 1 CELL With NTC Control