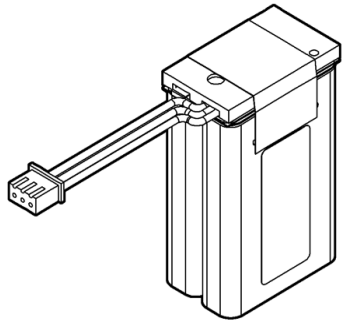
PA-L59.R004



Dimensions

Lenght	55,5mm	±2mm
Width	22.4mm*	±1mm
Height	34,4mm	±2mm

*swelling of battery at the end of lifetime up to 1mm

Data for Pack				
Nominal voltage		7.4V	6V - 8.4V	
Nominal capacity		1950mAh	typical (1850mAh minimum)	
Used cell in pack		2pcs	Panasonic CGA103450A_BREAKER	
Internal resistance pack		200mΩ	±10%	
Max charge voltage		8.4V		
Charge current	standard	370mA	0°C < T < 45°C	
	rapid	1295mA	10°C < T < 45°C	
Discharge	standard	370mA	-10°C < T < 55°C *1)	
	max. cont.	1295mA	-10°C < T < 55°C *1)	
	max. peak	4300mA	-10°C < T < 55°C t < 400ms	
Short circuit current		< 40A	< 600µs	
NTC		10kΩ	Tolerance 5%; B-Value 25°C/85°C = 3980K	
Connector	JST	XHP-3	Pin1	GND
			Pin2	NTC
			Pin3	Bat+
Cable Length		45mm	± 5mm	
Weight		ca. 85g	± 5g	
Watt-hour rating		13.69Wh	acc. to UN38.3 Certificate from cell	

*1) discharge in ambient temperatures lower than 0°C will result in limited performance in current output and usable capacity

Limitations by Safety Unit (SU) @ Ta 25°C			
over voltage (per cell)	cut off	4300mV	±50mV
	release	4050mV	±100mV
under voltage (per cell)	cut off	2000mV	±100mV
	release	3000mV	±100mV
Current Limit 1 by SU		3900mA	continous (Upack > 7.4V)
Current Limit 2 by SU		> 4300mA	t < 10 ms
short circuit protection		≤ 35A	t > 1ms
Power consumption	active	30µA	max.
	power down	2µA	max. (power down modus only after overcurrent event)

Recommended Charger
CC/CV Li Ion 2 cell charger with NTC control

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