

Battery Data Sheet¹

Basic Cell	ICP 553450 AR	
Battery Dimensions [mm]		
Length (L)	Max. 53.45	
Width (W)	Max. 34.25	
Thickness (T)	Max. 5.70 (delivery status) Max. 6.50 (after cycling, center)	
Contacts	+ / NTC / - NTC 10kOhm \pm 1% B=3435 \pm 1%	
Weight, approx. [g]	23	
Electrical Parameter		
Nominal Voltage [V]	3.7 (average)	
Typical capacity [mAh]	1100 (0.2C/3.0V at 20°C)	
Minimum capacity C [mAh]	1000 (0.2C/3.0V at 20°C)	
Impedance initial [m Ω]	<150 @ 1kHz at 4.2V	
Max. Charge [mA]	1000	
Max. Charge Voltage [V]	4.20	
Max. cont. Discharge [mA]	2000	
Life expectancy 1C/1C [20°C Cycles]	300 >80% of min. capacity	
Operating temperature [°C]	Charge:	0 to 45
	Discharge:	-20 to 60
Storage Temperature	12 month at -20 to +25°C	
Safety Parameter PCM		
Overcharge Det. Voltage	4.275 \pm 0.025 V	
Overcharge Release Voltage	4.175 \pm 0.050 V	
Overdischarge Det. Voltage	2.300 \pm 0.050 V	
Overdischarge Rel. Voltage	2.400 \pm 0.100 V	
Overcurrent Det. Range	2-5 A	
Delivery Status		
Battery Voltage	3.7 – 3.9V	
Battery Capacity	50-60%	
Label		
Custom		
Certifications		
Cell	UL1642	
Battery	CE, UN38.3, ROHS	



Option Cable:



Cablelength about 100mm.

Pin 1 black -
Pin 2 NTC
Pin 3 red +

Connector: JST PHR-3 (I max. 2A)

Information:

Battery is getting longer about 1.5 mm and thicker about 0.5 mm.

Cable to pin 2 can also be yellow.

¹ Prior to use read Handling Precaution and Prohibitions for Li-Ion Batteries
Subject to change without prior notice !