

Cell Model	Unit	33140C-100-30		40160C-175-30		40160C-200-31		50160118-HP50 polyanion		71173208C-1600-30 polyanion	
Shape		Cylindrical		Cylindrical		Cylindrical		Prismatic		Prismatic	
Nominal capacity	Ah	10		17.5		20		50		160	
Nominal voltage	V	3.00		3.00		3.10		3.00		3.00	
Nominal energy	Wh	30		52.5		62		205		480	
Max. C-rate charging		1		2		1		1		1	
Max. C-rate discharging (peak)		5		4		2		5		2	
Internal impedance @ 1kHz	mΩ	≤ 4		≤ 1.6		≤ 1.5		≤ 0.5		≤ 0.65	
Gravimetric energy density	Wh/kg	113		119		141		117		114	
Cycle life#	cycles	> 2000 to 80%		> 3000 to 80%		> 1500 to 80%		> 6000 to 80%		> 6000 to 80%	
Dimension	mm	33.3ø x 140.5H		40.5ø x 160.5H		40.5ø x 160.5H		50.1 x 160 x 118.5		71.5 x 173.5 x 208	
Operation temperature	°C	-40 to +60		-40 to +60		-40 to +60		-40 to +60		-40 to +60	
Charging operating temperature		-10~0°C	≤0.1C			-10~0°C	≤0.1C				
		0~10°C	≤0.2C	0~10°C	≤0.2C	0~10°C	≤0.2C	0~15°C	≤0.2C	0~10°C	≤0.2C
		10~20°C	≤0.5C	10~20°C	≤0.5C	10~20°C	≤0.5C	15~45°C	≤0.5C	10~20°C	≤0.5C
		20~25°C	≤1C	20~35°C	≤2C	20~35°C	≤1C	45~55°C	≤0.5C	20~30°C	≤1C
		25~35°C	≤1C	35~50°C	≤1C	35~50°C	≤0.5C			30~45°C	≤1C
		35~45°C	≤0.5C	50~60°C	≤1C	50~60°C	≤0.2C			45~55°C	≤0.5C
Discharging operating temperature		-40~0°C	≤1C	-40~0°C	≤0.5C	-40~0°C	≤0.5C	-40~-20°C	≤0.5C	-40~0°C	≤0.5C
		0~20°C	≤2C	0~20°C	≤2C	0~20°C	≤2C	-20~0°C	≤1C	0~15°C	≤1C
		20~45°C	≤5C	20~45°C	≤4C	20~45°C	≤4C	0~15°C	≤1.5C	15~45°C	≤2C
		45~60°C	≤1C	45~60°C	≤1C	45~60°C	≤1C	15~45°C	≤1C	45~60°C	≤1C
							45~60°C	≤0.5C			
Mass	g	265		440		440		1800		4200	