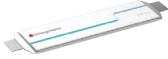
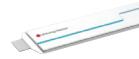


Cell Solutions for Powerful EV Performance

Category	Model	Pouch-type Cell			Pouch-type Cell				Cylindrical Cell (2170)	
		E101A	E72B	E79	JP3	JF1	JF2	JH4	M50L	M52V
Chemistry										
Capacity (Min, 25°C, 0.3C)	Ah	101.8	72.2	78.0	NCM/Graphite	LFP/Graphite	LFP/Graphite	NCM/Graphite	NCMA/Graphite	NCMA/Graphite
Nominal Voltage	Vdc	3.67	3.67	3.69	62.4 (0.5C)	56.6	159.2	70.6	4.93 (nom, 0.2C) (reference value)	5.07 (nom, 0.2C) (reference value)
Energy	Wh	374	264	287	3.68	3.22	3	4	3.69	3.69
Energy	Wh/L	637	625	591	229.6 (Min.)	182.25	509.4	266 (nom)	18.2 (nom)	18.73 (nom)
Density (Min)	Wh/kg	287	287	267	389	320.4	388.4	467.8 (nom)	746 (nom)	763 (nom)
Pulse Charge Max Current (A)* (10sec, SoC 50%, 25°C, BOL)		395	316	202	184	165.68	182.4	213.7 (nom)	270 (nom)	278 (nom)
Pulse Discharge Max Current (A)* (10sec, SoC 50%, 25°C, BOL)		590	550	546	192	90.6 (25°C, BOL)	69.79 (0.5CP, 3.65V)	-	13.2*	17*
Continuous Discharge Performance* (SoC 100%→0%)		-	3C, 10.1min, 10°C	3C, 17.3min, 45°C 3C, 12.4min, 25°C	192	90.6 (25°C, BOL)	101.89 (0.5CP, 2.5V)	120	28.5*	48*
Max Discharge Power (W)	10sec, SoC 50%, 25°C	1174	1540	1365	706.5	182.25	254.72 (0.5CP)	199 (0.75CP)	108	120
Internal Resistance (mΩ)	10sec, SoC 50%, 25°C (10sec, SoC 28%(Shipping), 23°C)	1.05 ~ 1.45	1.09	1.27	0.88 ± 0.25	1.261 ~ 2.261 (SOC19%, 28.3A, 10sec)	0.708 ≤ x ≤ 1.208 (SOC19%, 79.6A, 10sec)	1.061 ≤ x ≤ 1.561 (SOC30%, 120A, 10sec)	23	24
Power to Energy Ratio	W(Power: 10sec, SoC 50%, 25°C) / Energy	3.1	5.8	4.7	-	1	-	-	5.9	6.4
Quick Charge		8 ~ 80% @30 ~ 40min			-	-	-	-	-	-
Warranty		80% Capacity retention @8years, passenger car condition			To be calculated and guaranteed based on customer's driving profile					
Dimension	L*W*T (mm)	580*112.4*9	354*101.65*11.44	548*100.1*8.55	353.5*101.7*16.4 (Max.)	352.5*100.2*16.1	Max 601.0*125.0*18.0 (At shipping state, without lead tab)	Max 101.7*353.5*16.4 (At shipping state, without lead tab)	Diameter : 21.15mm (max)	Diameter : 21.15mm (max)
Weight	g	1303	906	1075	Max. 1245	Max. 1100	Max. 2800	Max. 1245	Height : 70.20mm (max)	Height : 70.60mm (max)
Operating Temperature (°C)		-30 ~ 55			-10 ~ 50	Charge : -10~50 Discharge : -20~50	Ordinary temperature 23 ± 4 °C with Uniformity 4 °C	Discharge : 0~45 Ordinary temperature 23 ± 4 °C with Uniformity 4 °C	Charge : 0~45 Discharge : 0~50 Ordinary temperature 0 ~ 55 (Charge) -30 ~ 70 (Discharge)	Cell surface Temp. 0 ~ 50 (Charge) -20 ~ 70 (Discharge)
Storage Temperature (°C)		-30 ~ 60			-30 ~ 60 (7 days) -20 ~ 45 (6 months)	Max. 7days : -30~60 Max. 6months : -20~45	Max. 7 days -30~60 Max. 6months -20~45	Max. 7 days -30~60 Max. 6months -20~45	-20 ~ 55	-20 ~ 55
Mass Production		USA	Poland	Poland	China	China	China (25.3Q-) Poland ('25.4Q-) USA ('26.1Q-)	China	China / Korea	China / Korea

*As just reference data of cell level test, the detailed values can be modified upon system specification such as derating logic, cooling performance, etc. Concrete values can be specified based on customer's definition of its value.