

Module Solutions for Maximizing EV Space Efficiency

LG Energy Solution's module lineups with compact battery volume enable flexible height and width variations, resulting in diverse module combinations that support more innovative EV designs.

Modules

Category		Short Module		Long Module		
Model		E66C 3P4S	E72B 2P6S	E78 2P12S	E78 3P8S	
Configuration		3P 4S	2P 6S	2P 12S	3P 8S	
Chemistry		NCM / Graphite	NCM / Graphite+SiO	NCM / Graphite		
Performance	Capacity	Ah	196.2	144.4	156	234
	Nominal Voltage	Vdc	14.68	22.02	44.04	29.36
	Operating Voltage Range	Vdc	12 - 17	16.8 - 25.2	36 - 51	24 - 34
	Energy (Min)	kWh	2.88	3.17	6.87	6.87
	Energy	Wh/L	453	501	486	486
	Density(Min)	Wh/kg	213	240	221	221
	Max Charge Power (kW)	10sec, SoC 50%, 25°C, BOL	5.1	13.8	16.3	16.3
	Max Discharge Power (kW)	10sec, SoC 50%, 25°C, BOL	12.8	20.8	34.7	34.7
	Quick Charge		SOC 6% - 78%, 37min @35degC	SOC6% - 79.6%, 21min @25degC	SOC 8% - 80%, 40min @25degC	
Dimension	L*W*T(mm)	390*151.6*107.5	390.3*151*107.5	590*225*108 (589*222.6*107.5, Nominal)		
Weight	kg	13.5	13.2	31		
Operating Temperature (°C)		-30 - 60				
Storage Temperature (°C)		-30 - 60				
Warranty		80% Capacity retention @8years, passenger car condition				
Production Site		Poland/China ('20-)	Poland ('23-)	Poland ('21-)		

* As just reference data of Module level test, the detailed values can be modified upon system specification such as derating logic, cooling performance, etc. Concrete values can be specified.

Long Module		Low Height Module		Pack
E79 2P12S	E79 3P8S	E60 2P12S	E60 3P8S	E65D Pack
2P 12S	3P 8S	2P 12S	3P 8S	1P 16S
NCMA / Graphite		NCM / Graphite		NCM / Graphite
156	234	118.6	177.9	Min 64.5
44.28	29.52	44.04	29.36	58.6
36 - 50.4	24 - 33.6	30 - 51	20 - 34	40 - 67.2
6.91	6.91	5.22	5.22	3.78
479	479	460	460	54.7
223	223	226	226	75.6
18.1	18.1	19	19	-
40.1	40.1	25	25	-
SOC 8% - 80%, 30min @25degC		SOC 15% - 80%, 34min @35degC		-
589*225.76*108.58 (W/O Foam Rope, Nominal)		580*233*84		908.8*368.9*270.1
31		23		49 ±2
		-30 - 60		-30 - 60
		-30 - 60		-40 - 60
		80% Capacity retention @8years, passenger car condition		8years
Poland ('23-)		Poland ('21-)		Korea ('24-)

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