

Comprehensive Product Line-ups

With LG Energy Solution's proven cell and module line-ups which are widely accepted in the EV market, flexible applications that cater to customers' different needs are feasible.

Cells

Cell Solutions for Powerful EV Performance

High energy density and power help to maximize EV performance while battery design freedom caters to a range of customer EV concepts.



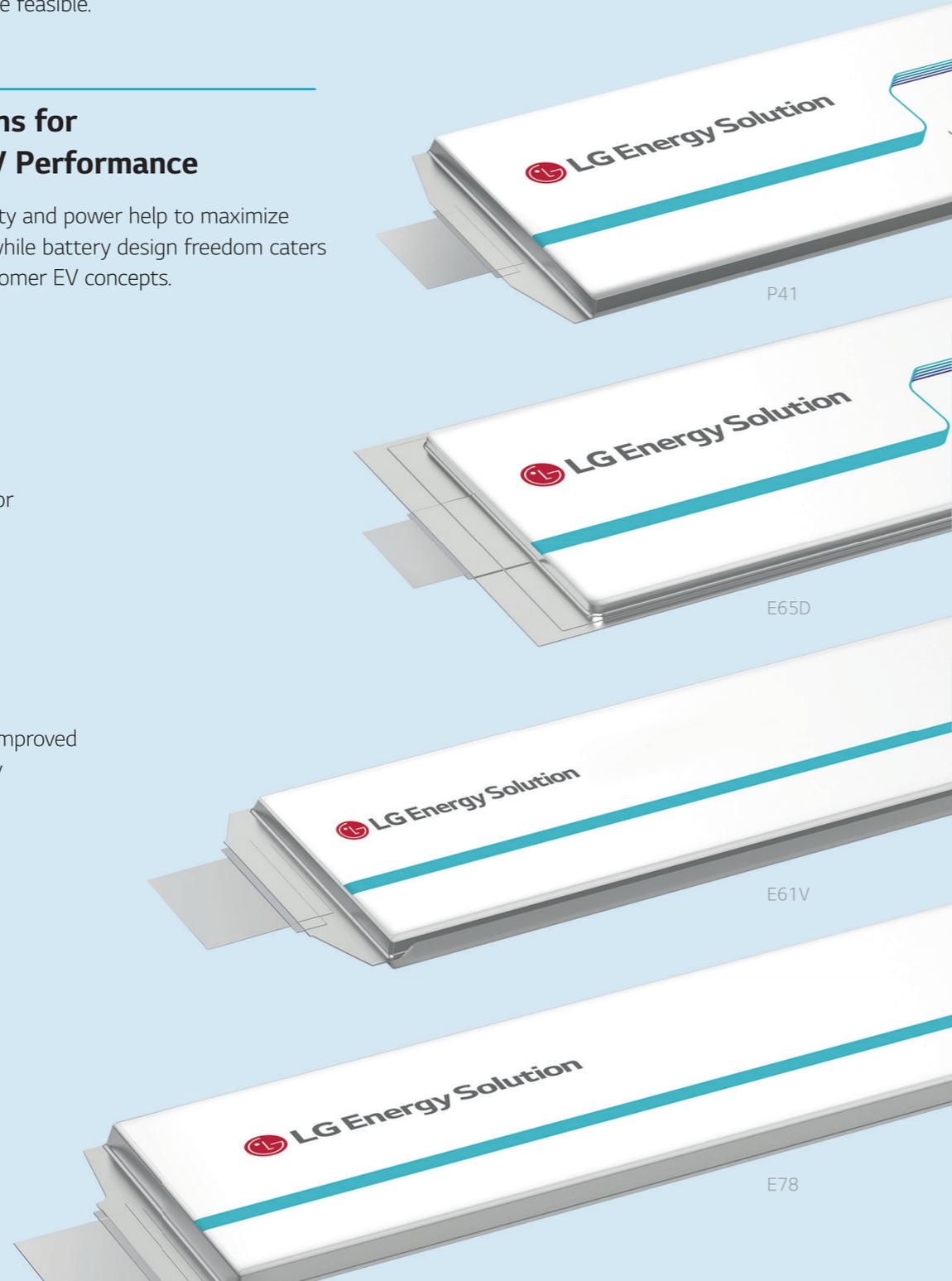
- Robust Energy for Longer Driving



- High Power for Improved Energy Efficiency



- Extreme Design Freedom



Cell Specifications

Category		Power Cell	Energy Cell		
Model		P41	E65D	E61V	E78
Image					
Capacity (Min, 25°C, 0.3C)	Ah	40.8	64.5	60.0	78.0
	Nominal Voltage	Vdc	3.63	3.66	3.68
Energy	Wh	148	236	220	286
Energy Density (Min)	Wh/L	486	444	532	602
	Wh/kg	226	234	253	265
Max Charge Current (A)	Pulse Charge * (10sec, SoC 50%, 25°C, BOL)	380	300	200	184
	Continuous Discharge (25°C, BOL)	204	130	180	234
Max Discharge Current (A)	Pulse Discharge * (10sec, SoC 50%, 25°C, BOL)	380	400	400	496
	10sec, SoC 50%, 25°C	1241	1260	1289	1463
Max Discharge Power (W)	10sec, SoC 50%, 25°C	1241	1260	1289	1463
Internal Resistance (mΩ)	10sec, SoC 50%, 25°C	1.28	1.20	1.15	1.48
Power to Energy Ratio	W(Power: 10sec, SoC 50%, 25°C) /Energy	8.3	5.3	5.8	5.1
Quick Charge	SoC 80% @30-40min, 25-35°C				
Warranty	80% Capacity retention @8years, passenger car condition				
Dimension	L*W*T(mm)	266.5*139*8.22	290.5*159*11.5	354*101.05*11.52	548*100*8.65
Weight	g	663	1017	887	1083
Operating Temperature (°C)	-30 - 55				
Storage Temperature (°C)	-30 - 60				
Mass Production		Poland('21-)	Korea('21-)	Poland('18-)	Poland('19-)

* Remark : It is the max current value at a certain OEM's system level, not the value at the cell itself.

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