

46.8V | 120Ah | Li-Ion



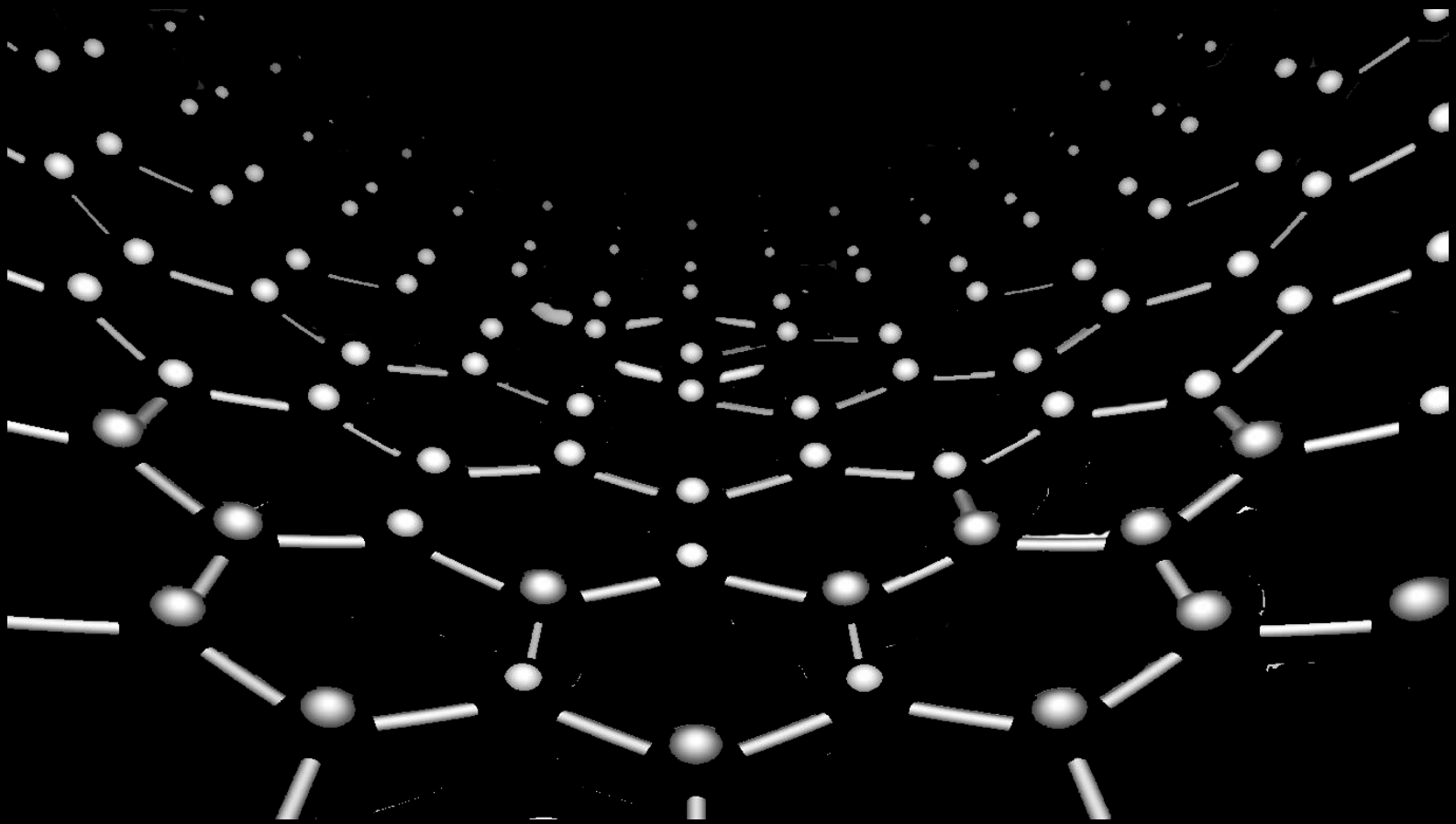
E-MMORTAL AUTOMOTIVES

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# E-MMORTAL LITHIUM ION BATTERY

#ETERNAL\_FLOW\_OF\_ENERGY





# SPECIFICATION

Description	Technical Specification	Remark
Nominal Capacity	120Ah	Capacity according to standard charge and discharge.
Nominal Voltage	46.8 V	The average value of working voltage during the whole discharge process.
Nominal Wattage	5616Wh	
Type of Cell	Cylindrical	Part No. 18650
Capacity of Individual Cell	3.6V – 2500mAh	A Grade Cell with IR < 30mΩ.
Configuration	13S-48P	13 in series and 48 in parallel.
Charge Current	Up to 24A	Constant charge.
Discharge Current	Up to 24A	Constant discharge.
Peak Discharge	Up to 200A	Peak discharge for 3 sec.
Charge Cut-off Voltage	54.6V	Protected with balancing BMS.
Discharge Cut-off Voltage	35.75V	Protected with balancing BMS.
Working Temperature (Charging)	0-45°C	Under constant charge.
Working Temperature (Discharging)	-20-60°C	Under constant discharge.
Weight	29.5KG	Approx.
Dimensions (Approx.)	Length(mm)	234mm
	Width(mm)	864mm
	Height(mm)	65mm
Cycle Life	≥600	
Storage Temperature	1-3 Months	20-45°C
	3-6 Months	20-35°C
Battery (LCV)	Provided	
Battery (HCV)	Provided	
Battery Reverse Protection	Provided	
Packing Type	PVC material	PVC material
Output Cable	Provided	6sq. mm*2

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