

12.8V | 12Ah | Li-FePO4



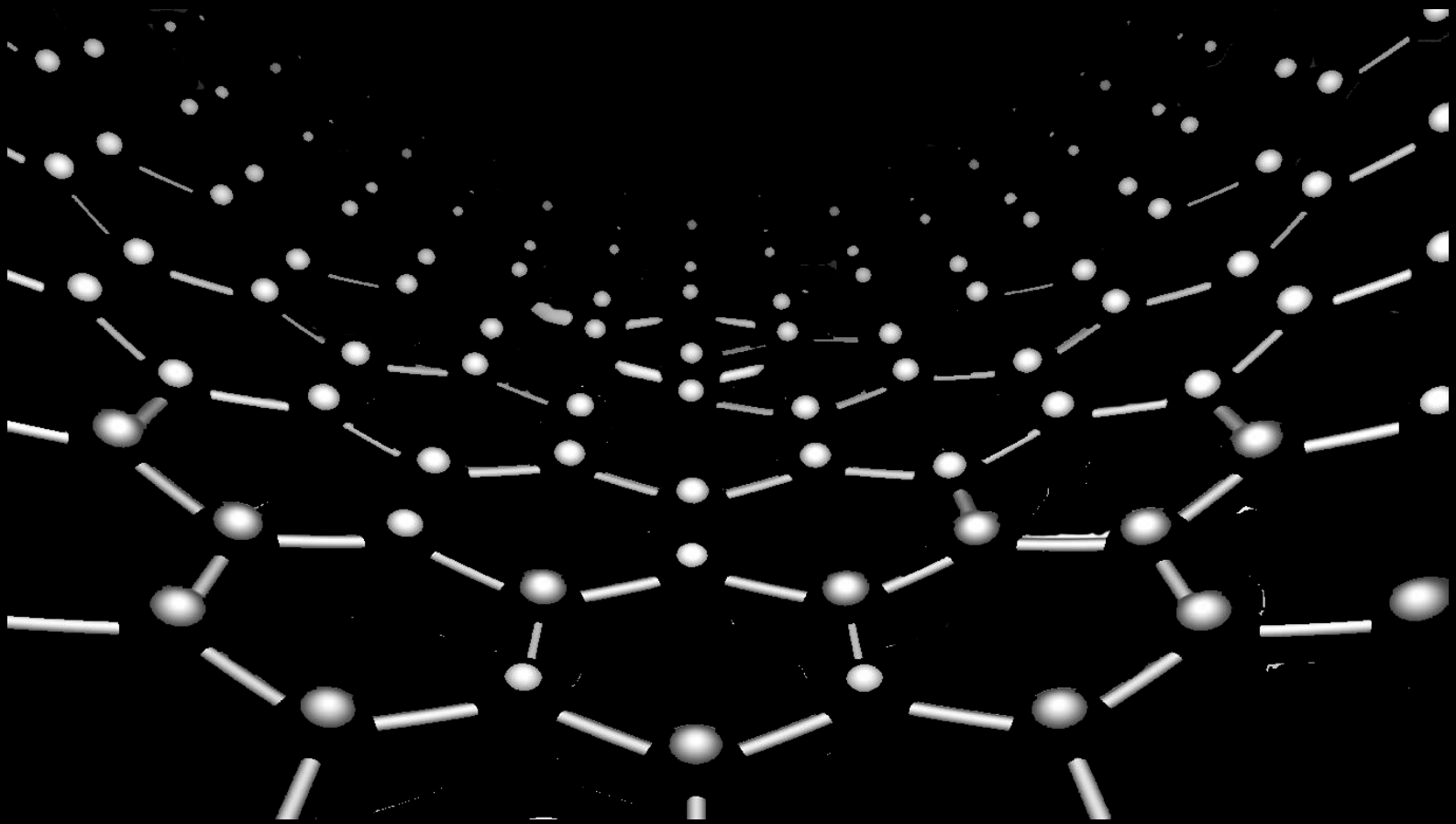
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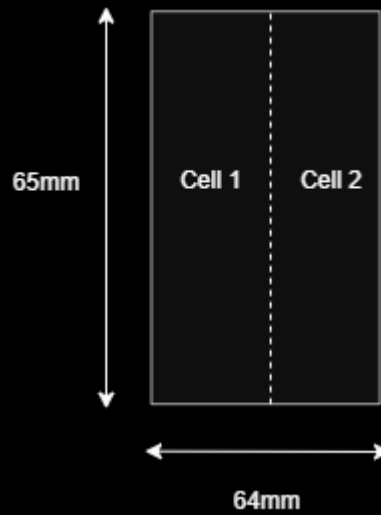
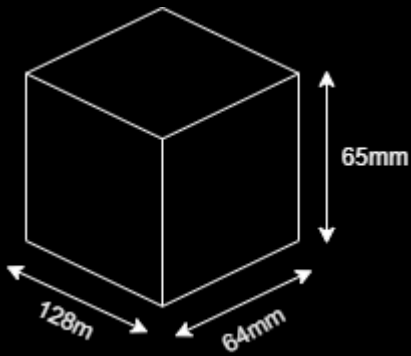
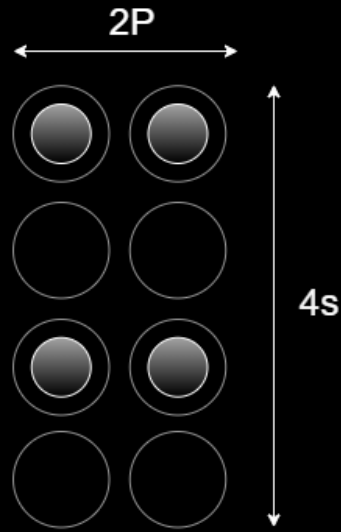
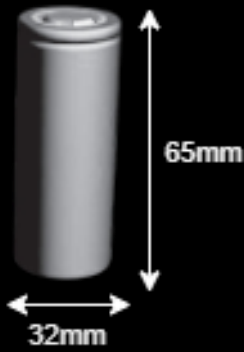


E-MMORTAL LITHIUM ION BATTERY

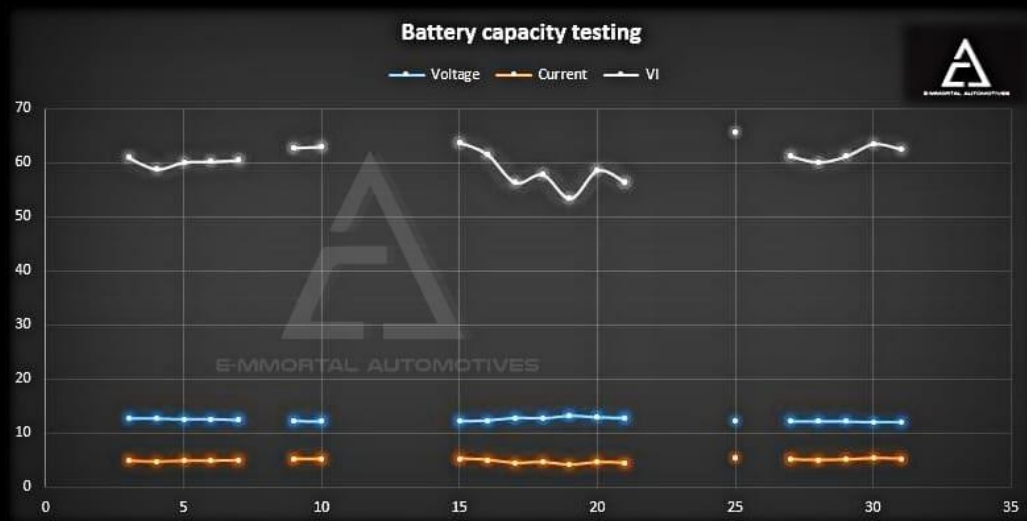
#ETERNAL_FLOW_OF_ENERGY



BATTERY CONFIGURATION



Test Results:



SPECIFICATION

Description	Technical Specification	Remark
Nominal Capacity	12 Ah	Capacity according to standard charge and discharge.
Nominal Voltage	12.8 V	The average value of working voltage during the whole discharge process.
Nominal Wattage	153.6Wh	
Type of Cell	Cylindrical	Part No. 32700
Capacity of Individual Cell	3.2V – 6Ah	A Grade Cell with IR < 9mΩ.
Configuration	4S-2P	4 in series and 2 in parallel.
Charge Current	Up to 2.4A	Constant charge.
Discharge Current	Up to 2.4A	Constant discharge.
Peak Discharge	Up to 10A	Peak discharge for 3 sec.
Charge Cut-off Voltage	14.6V	Protected with balancing BMS.
Discharge Cut-off Voltage	11.2V	Protected with balancing BMS.
Working Temperature (Charging)	0-40°C	Under constant charge.
Working Temperature (Discharging)	0-40°C	Under constant discharge.
Weight	1.2KG	Approx.
Dimensions (Approx.)	Length(mm)	128mm
	Width(mm)	64mm
	Height(mm)	65mm
Cycle Life	≥2000	With 80% DOD
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	1 sq. mm

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