

2.5 / 5.12 / 14.34 kWh

LiFePO₄ Battery

Smart. Clean. Efficient Energy Storage



Engineered for modern homes & smart solar systems.



Flexible Application



Premium Safety



Smart BMS



Seamless Installation

PRODUCT SPECIFICATIONS			
CATEGORY	2.5KWH	5.12KWH	14.34KWH
Model Name	EY POWER 2.5kWh LiFePO ₄	EY POWER 5.12kWh LiFePO ₄	EY POWER 14.34 kWh LiFePO ₄
Battery Type	LiFePO ₄ , Grade-A Cells		
Nominal Energy	2.5 kWh	5.12 kWh	14.34 kWh
Nominal Voltage	25.6V	51.2V	
Voltage Range	46.4–57.6V		
Nominal Capacity		100Ah	280Ah
Rated Charge / Discharge Current		50A	100A
Max Charge / Discharge Current	50A	100A	140A
Discharge Cutoff Voltage	46.4V		
Cycle Life	6000+ cycles @ 80% DOD		
Round-Trip Efficiency	≥95%		
BMS Type	Smart BMS (full protections)		
Protection Features	OV / UV / OC / SC / Temp		
Communication	CAN / RS485		
Compatible Inverters	Growatt, Solis, Huawei, GoodWe, Victron, DEYE, Inverex, MAX Power, Solar Max, Pylontech Protocol		
Parallel Support	Up to 16 units	Up to 16 units	Up to 16 units
Enclosure Rating	IP21	IP65	IP21
Cooling Method	Natural convection		
Operating Temp – Discharge	-10°C to 50°C		
Operating Temp – Charge	0°C to 50°C		
Storage Temperature	-5°C to 40°C		
Humidity Range	5–95% RH		
Altitude Rating	<4000m		
Dimensions (W×H×D)	600 × 423 × 203 mm	600 × 423 × 203 mm	850 × 530 × 250 mm
Weight (Battery Pack)	≈ 23.7 kg ±3	≈ 55 kg ±3	≈ 125 kg
Mounting Method	Wall-mounted		Floor-standing
Warranty	7 Years (extendable to 10)		