

BATTERY STORAGE SYSTEM



The GM Series offers flexible energy options for different scenarios, which adopts LiFePO4 chemistry, together with multiple level protection from BMS and inverters to ensure its extreme safety and reliability, excellent performance, and a long lifespan.

It features a modular stacked design and is light weight for installation to save time and cost;

- Brand new cell, reliable quality
- With smart BMS system for all around protection
- LCD touch display & CAN/RS485 communication
- 10kWh module capacity & Scalable to 40 kWh
- Large temperature tolerance
- Easy installation



Low Voltage



Simple Installation



High Efficiency



Expandable System



90% DoD

ZLION ESS GM Series

Model	ZL-GM-20.0	ZL-GM-30.0	ZL-GM-40.0
ELECTRICAL CHARACTERISTICS			
Battery Type	LiFePO4 Prismatic Cell		
Number of Modules	2	3	4
Norminal Voltage	51.2 V	51.2 V	51.2 V
Norminal Capacity	400Ah	600Ah	800Ah
Energy Capacity	20.48 Kwh	30.72KWh	40.96KWh
Operating Voltage[V]	47.2-57.6V		
Recommend Discharge Current [A]	100		
Max.Discharge Current [A]	200		
Communication	CAN&RS485		
Display	LCD *1		
Depth of discharge [%]	90%		
OPERATING CONDITIONS			
Installation Location	Outdoor/ Indoor (Stand)		
Discharge Temperature	-20 - 60 °C		
Charge Temperature	0 - 45 °C		
Storage Temperature [°C]	-20 - 55 °C		
Cooling method	Natural Convection		
Humidity [%]	5 ~ 95 (No Condensing)		
MECHANICAL CHARACTERISTICS			
Cycle Life	≥6000		
Dimensions (W*D*H) [mm]	720 × 240 ×845 mm	720 × 240 ×1215mm	720 × 240 ×1585 mm
Approx. Weight	215kgs	315kgs	415kgs
CERTIFICATES			
Lithium Battery Standard	IEC62619,CE-EMC		
Transportation	UN38.3		