

51.2V

LiFePO4 Battery Pack

FLA Series Low-voltage

5.12kWh

Features

-  LiFePO4: higher safe performance and longer cycle life.
-  Multiple installation choices: stack-mounted / wall-mounted / rack-mounted.
-  Equipped with over-voltage trip protection & fire protection module.
-  Max. 32 units in parallel.
-  Max. 1C charge and discharge rate.
-  Easy fuse replacement design.
-  CCS Technology for better system performance.



FLA48100UG1

Product Display



Max. 32 units in parallel



Guaranteed safety,
peace of mind



Max. 1C charge and
discharge rate



Multiple installation choices,
easy and convenient

Model	FLA48100UG1	
Battery Type	LiFePO4	
Nominal Energy	5.12kWh	
Nominal Voltage	51.2V	
Operating Voltage	44.8-57.6V	
Recommend Charge/Discharge Current	50A	
Max. Continuous Charge/Discharge Current[1]	100A	
Peak Charge/Discharge Current(15s)	125A	
Max. Charge/Discharge Power	5,000W	
Peak Charge/Discharge Power(15s)	6,250W	
Depth of Discharge(DOD)	≥95%	
Scalability	Max. 32 pcs in Parallel(163.84kWh)	
Communication	RS485/CAN	
Protection Level	IP21	
Cycle Life	≥ 6,000 Cycles (25℃±2℃,0.5C/0.5C,90%DOD,70%EOL)	
Charging Temperature Range	0℃~+55℃	
Discharging Temperature Range	-20℃~+55℃	
Display Type	LED	
Installation	Stacked Installation/Rack Installation/Wall-mounted Installation	
Protection	Built-in Smart BMS, Breaker, Fuse	
Warranty	7 Years	
Net Weight	43KG	
Gross Weight	47KG	
Product Dimension	575X483X133MM	
Package Dimension	642X542X241MM	

[1] Max. Continuous Charge/Discharge Current is Affected by Temperature and SOC.

*Disclaimer: This product is currently in pilot production. Final specifications, design, and features may differ from those presented here.
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