

5.12kWh

LOW-voltage LiFePO4 Battery

FLA-EU Series

Features



FLA48100UG1



CCS Technology for
More Stable Performance



Stack-mounted / Wall-
mounted / Rack-
mounted Installation



5.12kWh-163.84kWh
Scalable Capacity



Easy Fuse
Replacement Design



Over-voltage Trip
Protection & Fire
Protection Module



≥ 6000 Cycle Life

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	10 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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Product Display



Max. 32 Units in Parallel



Guaranteed Safety,
Peace of Mind



Max. 1C Charge and
Discharge Rate



Multiple Installation Choices,
Easy and Convenient

