Datasheet

Model	FLB48100WG1	FLB48205WG1	FLB48230WG1
Battery Type	LiFePO4		
Nominal Energy	5.12kWh	10.5kWh	11.7kWh
Usable Energy	5.12kWh	10.5kWh	11.7kWh
Nominal Capacity	100Ah	205Ah	230Ah
Nominal Voltage	51.2V		
Operating Voltage	44.8~57.6V		
Recommend Charge/Discharge Current	50A	100A	100A
Max.continuous charge/Discharge current[1]	100A	150A	150A
Rated Power	2500W	5000W	5000W
Peak Charge/Discharge Current(15s)	150A	200A	200A
Scalability	Up to 32 units in parallel(163.84kWh)	Up to 32 units in parallel(336kWh)	Up to 32 units in parallel(374.4kWh)
Depth of Discharge(DOD)	100%		
Display type	LED		
Protection Level	IP65		
Working Temperature Range	Charge: 0°C~+55°C		
	Discharge:-20°C~+55 °C		
Storge Temperature Range	0°C~+35°C		
Humidity	5%~95%		
Altitude	≤ 2000m		
Communication	RS485 / CAN		
Cycle Life	≥ 6000 Cycles(25°C ±2°C,0.5C/0.5C,90%DOD,70%EOL)		
Installation	Wall-Mounted / Floor-Mounted		
Protection	Built-in smart BMS, Breaker, Fuse		
Warranty Period[2]	10 Years		
Product Weight Approximate	48.5kg	86.5kg	91kg
Package Weight Approximate	53kg	106kg	111kg
Product Dimension	650×450×174mm	683x450x258mm	683x450x258mm
Package Dimension	752×552×253mm	778x548x438mm	778x548x438mm
[1] Max.continuous charge/Discharge current is affected by temperature and SOC.			
[2] Conditions apply, refer to Felicitysolar Warranty policy.			

*In the absence of communication, please follow the recommended settings in the table below.

Setting	FLB48100WG1	FLB48205WG1/FLB48230WG1
Max. Charging Voltage	58.4V	
Floating Charging Voltage	58.4V	
Max. Charging Current	100A*N	150A*N
Cut-off Voltage	44.8V	

Notes:

1. "N" means the number of battery packs connected in parallel.
2. Charge at constant current 50A until the voltage reaches 57.6V, then charge at 57.6V til charge current is 5A.

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