Appendix I

Model	FLB48100WG1-H
Battery Type	LiFePO4
Nominal Energy	5.12kWh
Nominal Capacity	100Ah
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)	150A
Scalability	Up to 32 units in parallel(163.84kWh)
Depth of Discharge(DOD)	≥ 95%
Display type	LED
Protection Level	IP65
Working Temperature Range	Charge: -20°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℃ ±2℃,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
Package Weight Approximate	53kg
Product Dimension	650×450×174mm
Package Dimension	752×552×253mm
[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-H
Max. Charging Voltage	57.6V
Floating Charging Voltage	57.6V
Max. Charging Current	100A*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.