

Model	FLS48100SG2							
Battery Type	LiFePO4							
Module Nominal Energy	5.12kWh							
Module Nominal Capacity	100Ah							
Module Nominal Voltage	51.2V							
Number of Battery Modules	1	2	3	4	5	6	7	8
System Nominal Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh	35.84kWh	40.96kWh
System Nominal Voltage	51.2V							
System Operating Voltage	44.8~57.6V							
Recommend Charge/Discharge Current	50A	100A	150A	200A	250A	300A	350A	400A
Max.continuous charge/Discharge current[1]	60A	120A	180A	240A	300A	360A	400A	400A
Peak Charge/Discharge Current(15s)	100A	200A	300A	400A	500A	600A	700A	800A
Scalability	Max.8 pcs in Parallel(40.96kWh)							
Depth of Discharge(DOD)	≥ 95%							
Display type	Control Module:LCD/Battery Module:LED*4							
Protection Level	IP21							
Working Temperature Range	Charge: 0°C~+55°C							
	Discharge:-20°C~+55 °C							
Storage Temperature Range	0°C~+35°C							
Humidity	5%~95%							
Altitude	≤ 2000m							
Communication	RS485 / CAN							
Cycle Life[2]	≥ 6000 Cycles							
Installation	Wall-Mounted / Floor-Mounted							
Protection	Built-in smart BMS, Breaker, Fuse							
Warranty Period[3]	10 Years							
Control Module FLS48100SCG2	Product Weight Approximate	46kg						
	Package Weight Approximate(with base)	60kg						
	Product Dimension	600x450x180mm						
	Package Dimension (with base)	712x562x333mm						
Battery Module FLS48100SMG2	Product Weight Approximate	46kg						
	Package Weight Approximate	50kg						
	Product Dimension	600x450x180mm						
	Package Dimension	712x562x298mm						
[1] Max.continuous charge/Discharge current is affected by temperature and SOC.								
[2] Test conditions: 0.2C Charging/Discharging @25°C, 80% DOD.								
[3] Conditions apply, refer to Felicitysolar Warranty policy.								