

LiFePO4 BATTERY SYSTEM

FLS48100M Series



PRODUCT PARAMETERS

Model	FLS48100							
Number of Battery Modules	1	2	3	4	5	6	7	8
Capacity	5.3kWh	10.6kWh	15.9kWh	21.2kWh	26.6kWh	31.9kWh	37.2kWh	42.5kWh
Battery Type	LiFePO4							
Nominal Voltage	51.2V							
Operating Voltage	44.8-57.6V							
Recommend Charge/Discharge Current[1]	≤60A	≤120A	≤180A	≤240A	≤300A	≤360A	≤400A	≤400A
Recommend Charge/Discharge Power[1]	≤3,000W	≤6,000W	≤9,000W	≤12,000W	≤15,000W	≤18,000W	≤20,000W	≤20,000W
Maximum Charge/Discharge Current(15s)	100A	200A	300A	400A	500A	600A	700A	800A
Maximum Charge/Discharge Power(15s)	5,000W	10,00W	15,000W	20,000W	25,000W	≤30,000W	≤35,000W	≤40,000W
Depth of Discharge(DOD)	≥95%							
Scalability	Up to 8 units in parallel(42.5kwh)							
Communication	RS485 / CAN							
Protection Level	IP21							
Cycle Life[2]	≥ 6000 Cycles							
Charging Temperature Range	0-55 °C							
Discharging Temperature Range	-20-55 °C							
Display	LCD+LED							
Installation	Floor-Mounted							
Protection	Built-in smart BMS, Breaker, Fuse							
Warranty	10Years							
Net Weight	53kg	99kg	145kg	191kg	237kg	283kg	329kg	375kg
Gross Weight	60kg	110kg	160kg	210kg	260kg	310kg	360kg	410kg
Product Dimension	600*450*(180N+120)mm							
Main control outer packaging size	712*562*333mm							
Control outer packaging size	712*562*298mm							

[1] Recommend charge/discharge current/power is affected by temperature and SOC.

[2] Test conditions: 0.2C Charging/Discharging @25°C , 80% DOD.



Front view



side view

Convenient

CAN&RS485 Communication

