

TECHNICAL DATA SHEET

Model	ALFP-48100H	ALFP-48200H	ALFP-48300F
Specification	51.2V100Ah	51.2V200Ah	51.2V300Ah
Rated Voltage	51.2V		
Rated Capacity	100Ah	200Ah	300Ah
Rated Energy	5.12KWh	10.24KWh	15.36KWh
Dimensions (mm)	442*600*170	600*800*150	811*450*260
Weight	49KG	97KG	119KG
Recommended Charging Voltage	54.76V		
Recommended Charging Current	20A	40A	60A
Max Charging Current	100A	200A	300A
Recommended Discharge Current	50A	100A	150A
Max Pulse Current	120A(3S)	220A(3S)	220A(3S)
Discharge Cut-off Voltage	43.2V		
Combination Method	16S1P	16S 2P	16S1P
Cycle Life	≥ 6000 cycles @80%DOD @25°C		
Months Self Discharge	1% Month	1% Month	1% Month
Efficiency of Charge	≥ 97%	≥97%	≥97%
Efficiency of Discharge	≥ 98%	≥98%	≥98%
Charge Temperature	0°C ~ 55°C	0°C ~ 55°C	0°C ~ 55°C
Discharge Temperature	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C
Storage Temperature	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C
IP Class	IP 54	IP 30	IP 30
Casing	Metal		
Protection	Overcharge protection. Overdischarge protection. Overcurrent protection, Shortcircuit protection. Overtemperature protection		
Sea Level (m)	≤2000		
Humidity	0-95% (no condensation)		
Noise (dB)	<30°C< 40dB (1 meter)		
Warranty	7 Years		
Certificate	CE, ROHS, REACH, UN38.3, MSDS		

CERTIFICATES

