



ENERGY STORAGE SYSTEM



High Voltage Stackable Lithium Battery

Main Features



Voltage Range
204.8V~512V



Compatible with a variety
of mainstream inverter



LFP battery, safest and
long cycle life



Stackable design,
effortlessly installation

Flexible, Efficient, Simple



charania renewables
revolutionizing tomorrow

AOKLY GROUP

Technical Parameter

Model	ALFP-204100	ALFP-307100	ALFP-384100	ALFP-410100	ALFP-512100
Rated Voltage	204.8V	307.2V	384V	409.6V	512V
Rated Capacity	100Ah				
Rated Energy	20480Wh	30720Wh	38400Wh	40960Wh	51200Wh
Dimensions	552.5*515*772	552.5*515*1252	550*1415*515	550*1415*515	552.5*1732*515
Weight	208.1kg	356kg	395kg	405kg	520kg
Recommended Charging Voltage	233.6V	358.4V	438V	460.8V	576V
Recommended Charging Current	50A	50A	50A	50A	100A
Max. Charging Current	100A				
Recommended Discharging Current	50A				
Max. Discharging Current	100A				
Discharge Cut-off Voltage	172.8V	259.2V	312V	345.6V	416V
Combination Method	64S1P	96S1P	120S1P	128S1P	160S1P
Cycle Life	≤6000 cycles @80%DOD				
Months Self Discharge	1%/Month				
Efficiency of Charge	≤97%				
Efficiency of Discharge	≤98%				
Charge Temperature	0°C~55°C				
Discharge Temperature	-20°C~60°C				
Storage Temperature	0°C~40°C				
IP Class	IP 65				
Plastic Case	Metal				
Others(optional)	LCD display				
Humidity	0~95% (no condensation)				