



RackArk

Rack Mount LiFePO₄ Battery Pack



Flexible Investment

5kWh/10kWh modular design, scalable from 5 to 150 kWh



TUV Certification

Battery IEC/ UL standard



Perfect Compatibility

Compatible to most inverter brands on the market



Safety

BMS & Breaker two Level over current protection

RACK MOUNT LIFEPO4 BATTERY PACK



MODEL	RackArk-48100	RackArk-48200	RackArk-51100	RackArk-51200
Electrical Characteristics				
Rate voltage(Vdc)	48		51.2	
Cell combination	15S1P	15S2P	16S1P	16S2P
Rate capacity(AH)	100	200	100	200
Energy storage(KWH)	4.8	9.6	5.12	10.24
Cycle life	6000 cycles @80% DOD, 0.5C			
Charge/Discharge Standard				
Charge voltage(V)	52.5		56	
Max. charge current(A)	100 (Optional 150/200A for 200AH pack)			
Max. discharge current(A)	100 (Optional 150/200A for 200AH pack)			
Discharge cut-off voltage(VDC)	40.5		43.2	
Charge cut-off voltage(VDC)	54.75		58.4	
Environment				
Charge temperature	0°C to 55°C@60±25% Relative Humidity			
Discharge temperature	-20°C to 55°C@60±25% Relative Humidity			
Storage temperature	-20°C to 55°C@60±25% Relative Humidity			
Mechanical				
IP class	IP20			
Material system	LiFePO4			
Case material	Metal			
Case type	Rack Mount			
Pack dimension L*W*H(mm)	480*483*133 (3U)	680*442*178 (4U)	480*483*133 (3U)	680*483*178 (4U)
Package dimension L*W*H(mm)	580*530*210	850*570*285	580*530*210	850*570*285
Net weight(kg)	42	84	44	88
Gross weight(kg)	47	93	49	97
Communication				
Protocol(Optional)	Canbus/RS485/RS232			
Certificates				
Pack	UN38.3, MSDS	UN38.3, MSDS	IEC62619,CE,UL1973	UN38.3, MSDS,CE
Cell	UN38.3, MSDS, IEC62619, CE, UL1973			