

Lithium-ion Battery



FlxRack 5.0/10.0

The Sunflx FlxRack 5.0/10.0 series is designed for residential energy needs, optimizing self-consumption and providing reliable solar backup. With high energy density, it stores significant energy in a compact design. It supports up to 16 parallel units and various installation methods for expansion. Its excellent cycle life ensures lasting value for homeowners.



Continuous discharge current up to 200A



Superior safety with LiFePO4 battery



Max 16 units in parallel to expand capacity



Compact design for easy installation



100% DoD for maximum usable energy



IP20-rated for dust and water protection

Model	FlxRack 5.0	FlxRack 10.0
ELECTRICAL		
Battery Type	LiFePO4 Prismatic Cell	
Normal Capacity	5.12kWh (100Ah)	10.24kWh (200Ah)
Nominal Voltage	51.2Vdc	
Operating Voltage	40 ~ 58.4Vdc	
Charge Current	50Amp	100Amp
Discharge Current	100Amp	200Amp
Max. Discharge Current	150Amp	120Amp
DOD	Max. 100% DOD (Settable)	
GENERAL		
Dimension (W*H*D)	482*410*133 mm	482*820*133 mm
Weight	41.6 KG	83.2 KG
Protection Degree	IP20	
Cooling Method	Natural Convection	
Mounting Method	Wall Mounted or Floor Stand	
Max. Operating Altitude	Max. 2000 Meters	
Operating Temperature Range	Charge: 0 °C ~ +50 °C , Discharge: -20 °C ~ +60 °C	
Storage Temperature	-10 °C ~ +40 °C	
OTHER		
Cycle Life	Cycle Times (25°C , 0.5C, 80%DOD): >6000	
System Connection	Max. 16 Pcs in Parallel	
Display	SOC Status Indicator, LED Indicator	
Communication Port	CAN/RS485	
Warranty	5 Years	
CERTIFICATION		
Certification/Standard	UN 38.3; MSDS; RoHS	