Lithium-ion Battery

FlxWall 2.5/5.0/10.0/15.0

The Sunflx FlxWall 2.5/5.0/10.0/15.0 series is a low-voltage lithium battery designed for residential use, offering excellent performance. Compatible with Sunflx solar inverters, it features a cohesive design that provides a one-stop solution, saving you time and effort.

The battery is flexible for self-consumption and backup, with capacities ranging from 5 kWh to 15 kWh, and supports parallel expansion up to 240 kWh. It's an efficient solar storage solution for on-demand energy use.

SUNFLX

51.2V 100AH 5.12kWh
Lithium-ion Battery

FlxWall 5.0

POWER

Bluetooth | MSDS | UN38.3 | RoHS

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	FlxWall 2.5-24	FlxWall 5.0-24	FlxWall 5.0-48	FlxWall 10.0-48	FlxWall 15.0-48
ELECTRICAL					
Nominal Capacity	2.56kWh (100Ah)	5.12kWh (200Ah)	5.12kWh (100Ah)	10.24kWh (200Ah)	15.36kWh (300Ah)
Cell Technology	LiFePO4 Prismatic Cell				
Nominal Voltage	25.6Vdc		51.2Vdc		
Battery Cell	8 Cells in Series	8 Cells in Series 2 Series in Parallel	16 Cells in Series		
Operating Voltage	20.8-29.2Vdc		43.2-58.4Vdc		
Full Voltage Difference Battery Pack	≤ 20mV				
Life Span	Cycle Times: >6000 (25℃ , 0.5C, 80%DOD)				
Depth of Discharge (DOD)	Max. 100 % DOD (Settable)				
Standard Charging Current	100Amp (1C)	100Amp (1C)	100Amp (1C)	200Amp (1C)	200Amp
Standard Discharge Current	100Amp (1C)	100Amp (1C)	100Amp (1C)	200Amp (1C)	200Amp
BMS Protection Current	120A (20s) ; 200A(2s)	120A (20s) ; 200A(2s)	120A (20s) ; 200A(2s)	240A (20s) ; 400A(2s)	240A (20s) ; 400A(2s)
GENERAL					
Dimension (H*W*D)	450*380*165 mm	450*542*165 mm	450*542*165 mm	550*765*165 mm	495*765*247 mm
Weight	31 KG	51 KG	51 KG	98 KG	120 KG
Protection Degree	IP20				
Working Environment	Humidity ≤ 95%RH (No condensation) ; Altitude: ≤ 4000				
Operating Temperature Range	Charge: 0 ℃ ~ +50 ℃ , Discharge: -20 ℃ ~ +60 ℃				
Storage Temperature	-10 ℃ ~ +50 ℃				
Mounting Method	Wall Mounted or Floor Stand				
Cooling Method	Natural Convection				
OTHER					
Display	Touch Screen, LED Indicator				
System Connection	Max. 16 Pcs in Parallel				
Communication Port	RS232, RS485, CAN				
Application	Hybrid / Off Grid				
Compatible Inverters	Refer to Compatible Inverter List (Compatible with Major Inverter Brands)				
Warranty	5 Years				
Certification/Standard	UN 38.3; MSDS; RoHS				

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.

MSDS | UN38.3 | RoHS

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		
Cell Technology	LiFePO4 Prismatic Cell	
Normal Capacity	5.12kWh (100Ah)	10.24kWh (200Ah)
Nominal Voltage	51.2Vdc	
Operating Voltage	40 ~ 58.4Vdc	
Standard Charging Current	100Amp (1C)	200Amp (1C)
Standard Discharge Current	100Amp (1C)	200Amp (1C)
Depth of Discharge (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 ℃ ~ +50 ℃ , Discharge: -20 ℃ ~ +60 ℃	
Storage Temperature	-10 ℃ ~ +40 ℃	
OTHER		
Life Span	Cycle Times (25℃ , 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	

Lithium-ion Battery

LiEco 12-100/12-250/24-200

Sunflx's LiECo series batteries are designed for small-capacity energy storage systems, providing an efficient residential solution. Their compact design ensures easy installation, while advanced technology offers reliable performance and long cycle life. Supporting scalable configurations, users can expand storage capacity as needed. The LiEco series is ideal for optimizing energy use for self-consumption or backup power.

| MSDS | UN38.3 | RoHS |

Safe Technology
no fire or explosion risk

Light Weight
one-third to one-quarter of lead-acid

Long Lifespan
over 2000 deep discharge cycles

Fast Charging
higher continuous charge rates accepted

36 KG

Model	LiEco 12-100	LiEco 12-250	LiEco 24-200
ELECTRICAL SPECIFICATIONS			
Battery Type	LiFePO4 Prismatic Cell		
Normal Capacity	1.28kWh (100Ah)	3.2kWh (250Ah)	5.12kWh (200Ah)
Nominal Voltage	12.8Vdc	12.8Vdc	25.6Vdc
CHARGE SPECIFICATIONS			
Recommended Charge Current	5~50Amp		
Max. Charge Current	100Amp	150Amp	100Amp
Recommended Charge Voltage	14.6±0.2Vdc	14.6±0.2Vdc	29.2±0.2Vdc
High Voltage Disconnect	15Vdc	15 dc	30Vdc
High Voltage Reconnect	14.8Vdc	14.8Vdc	29.6Vdc
DISCHARGE SPECIFICATIONS			
Continuous Discharge Current	100Amp	150Amp	100Amp
Peak Discharge Current	150Amp (10s)	250Amp (10s)	200Amp (10s)
Disconnect Charge Current	200Amp (3s)	450Amp (3s)	450Amp (3s)
Low Voltage Disconnect	8Vdc	8Vdc	16Vdc
Discharge Cut-off Voltage	10Vdc	10Vdc	20Vdc
GENERAL DATA			
Dimension (W*H*D)	330*220*173 mm	522*220*269 mm	522*220*269 mm
Weight	9.37 KG	22.7 KG	36 KG
Protection Degree	IP20		
Cooling Method	Natural Convection		
Mounting Method	Floor Stand		
Max. Operating Altitude	Max. 2000 Meters		
Operating Temperature Range	Charge: 0 ℃ ~ +45 ℃ , Discharge: −20 ℃ ~ +60 ℃		
Storage Temperature	−10 ℃ ~ +50 ℃		
FEATURES			
Cycle Life	Discharge 30%, 7500 < Cycles; Discharge 80%, 3500 < Cycles; Discharge 100%' 2000 < Cycles;		
System Connection	Max. 4 Pcs in Parallel, Max. 4 Pcs In Series	Max. 4 Pcs in Parallel, Max. 4 Pcs In Series	Max. 4 Pcs in Parallel, Max. 2 Pcs In Series
Communication Port	CAN/RS485		
Warranty	3 Years		
CERTIFICATION			
Certification/Standard	UN 38.3; MSDS; RoHS		

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