

# 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.



### 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

Model	LiEco 12-100	LiEco 12-250	LiEco 24-200
<b>ELECTRICAL SPECIFICATIONS</b>			
Battery Type	LiFePO4 Prismatic Cell		
Normal Capacity	1.28kWh (100Ah)	3.2kWh (250Ah)	5.12kWh (200Ah)
Nominal Voltage	12.8Vdc	12.8Vdc	25.6Vdc
<b>CHARGE SPECIFICATIONS</b>			
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
<b>DISCHARGE SPECIFICATIONS</b>			
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
<b>GENERAL DATA</b>			
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 °C ~ +45 °C , Discharge: -20 °C ~ +60 °C		
Storage Temperature	-10 °C ~ +50 °C		
<b>FEATURES</b>			
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		
<b>CERTIFICATION</b>			
Certification/Standard	UN 38.3; MSDS; RoHS		