

EcoFlow 12.8V 100Ah LiFePO4 Battery Datasheet

Compact lithium iron phosphate battery with 1.28 kWh rated energy, 100A BMS, IP65 protection and scalable parallel/series expansion.



Nominal Voltage	Rated Capacity	Energy	Cycle Life
12.8V	100Ah	1280Wh	6000 cycles

TECHNICAL SPECIFICATIONS

Specification	Detail	Specification	Detail
Cell Type	LiFePO4	Max. Continuous Charge Current	100A
Nominal Voltage	12.8V	Charge Method	CC/CV
Rated Capacity	100Ah	Charge Voltage	14.4V +/- 0.2V
Energy	1280Wh / 1.28 kWh	Max. Expansion (Parallel & Series)	4P4S, 2S8P
Cycle Life	6000 cycles at 80% DOD	Discharge Operating Temperature	-14°F to 131°F
BMS	100A	Storage Temperature	32°F to 113°F
Max. Continuous Output Power	1280W	Protection Class	IP65
Max. Continuous Discharge Current	100A	Terminals	M8 bolts
Max. Discharge Current (30 seconds)	110A	Warranty	5 years

PHYSICAL & COMPLIANCE

Specification	Detail
Size	11.4 x 6.9 x 8.7 in
Weight	26.7 lb
Certifications	IEC 62619, UL Certified

LiFePO4 chemistry Long-life lithium iron phosphate cell technology	Expandable architecture Supports parallel/series expansion configurations	Outdoor-ready protection IP65 enclosure rating
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Source note: This datasheet is formatted from the specifications visible in the supplied product screenshots. Fields whose values were not visible in the screenshots were not added.