



Solar Storage Battery



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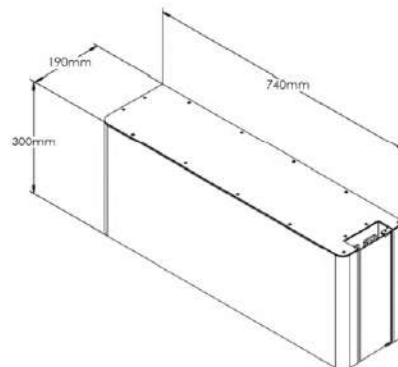
Technical Specifications

Feston's lithium-ion energy storage solutions provide flexible charging options from either solar or the grid. They efficiently store solar energy, enabling nighttime use or serving as a backup during grid failures. Additionally, these solutions offer a reliable standalone power source for off-grid scenarios.

Battery Specification

Battery chemistry	LiFePO ₄
Nominal voltage	48 VDC
Rated capacity	105 Ah
Total capacity (@100% DoD)	5 kWh
Operation voltage range	37.5-54.75 V
Standard charging current	50 A
Standard discharging current	100 A
Depth of discharge	90%
Operating temperature charging	0 to 55° C
Operating temperature discharging	-20 to 55° C
Humidity	< 70%
Weight	45kg ± 200g
Maximum number of batteries in parallel	16
	Over charge
	Under voltage
Device protections	Over temperature
	Over current
	Short circuit
Cell cycle life	≥3000
Warranty ²	10 years

Battery Dimensions



Life Cycle
6000



Battery Chemistry
LifePO₄



Warranty
10 Years



Maintenance
Free



Depth of
Discharge 90%



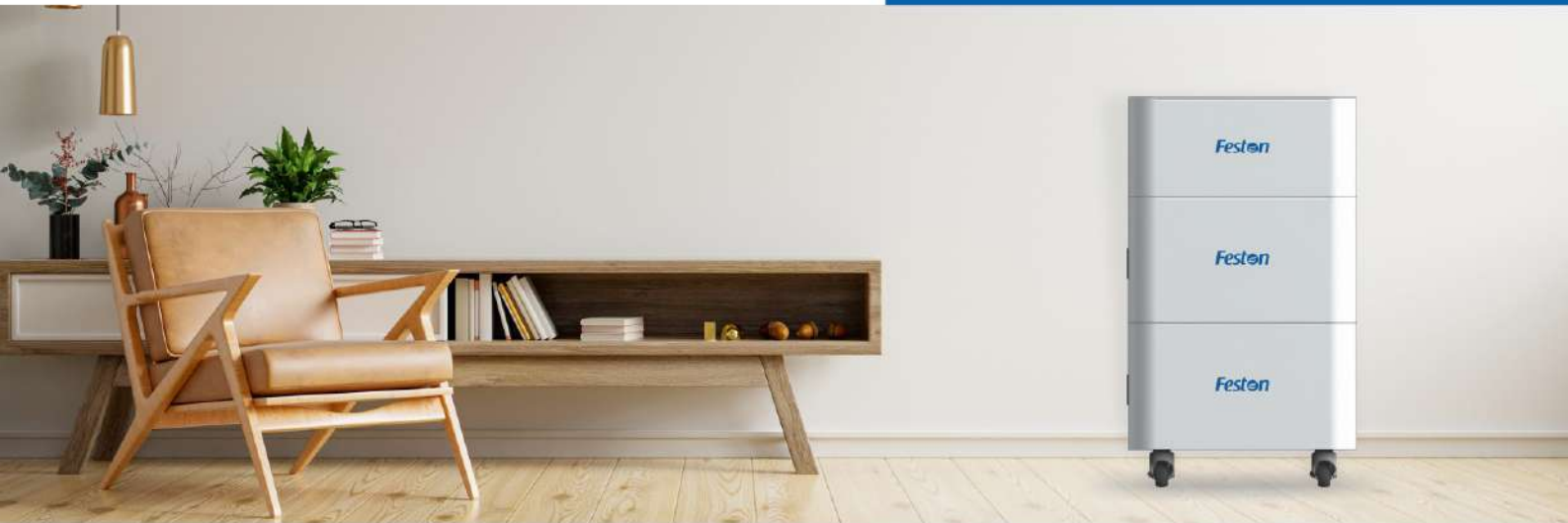
Long
Lifespan



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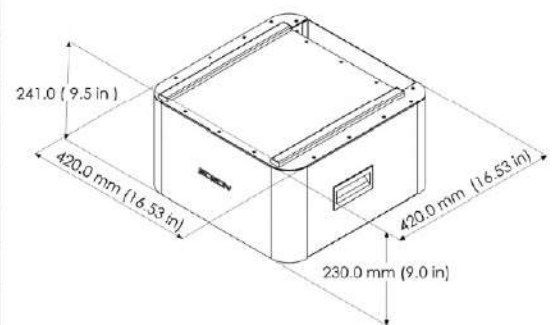
Technical Specifications

Feston's lithium-ion energy storage solutions provide flexible charging options from either solar or the grid. They efficiently store solar energy, enabling nighttime use or serving as a backup during grid failures. Additionally, these solutions offer a reliable standalone power source for off-grid scenarios.

Battery Specification

Battery chemistry	LiFePO ₄
Nominal voltage	51.2 VDC
Rated capacity	100 Ah
Total capacity (@100% DoD)	5.12 kWh
Operation voltage range	40 - 58.4 V
Standard charging current	50 A
Standard discharging current	100 A
Depth of discharge	90%
Operating temperature charging	0 to 55° C
Operating temperature discharging	-20 to 55° C
Humidity	< 70%
Weight	47kg ± 200g
Maximum number of batteries in parallel	16
	Over charge
	Under voltage
Device protections	Over temperature
	Over current
	Short circuit
Cell cycle life	≥3000
Warranty ²	10 years

Battery Dimensions



Life Cycle
6000



Battery Chemistry
LiFePO₄



Warranty
10 Years



Maintenance
Free



Depth of
Discharge 90%



Long
Lifespan