



Technical Specifications of Boson Mini

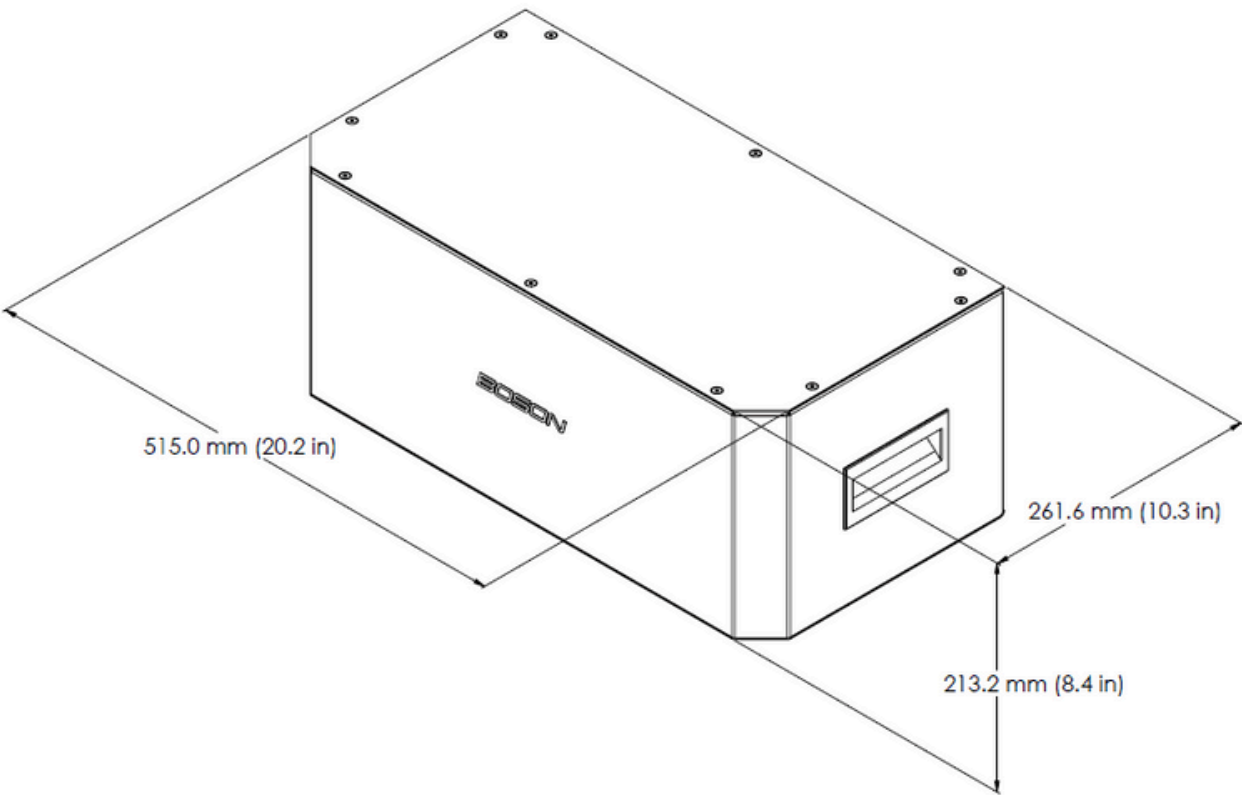
Boson's lithium-ion energy storage solutions provide flexible charging options from either solar or the grid. They efficiently store solar energy, enabling nighttime use or serving as a backup during grid failures. Additionally, these solutions offer a reliable standalone power source for off-grid scenarios.

Battery Specifications

Battery chemistry	LiFePO ₄
Nominal voltage	12.8 VDC
Rated capacity	100 Ah
Total capacity ¹ @ 100% DoD	1.28 kWh
Operation voltage range	10.4 - 14.6 V
Standard charging current	100 A
Standard discharging current	200 A
Depth of discharge	90%
Operating temperature charging	0 to 55° C
Operating temperature discharging	-20 to 55° C
Humidity	< 70%
Weight	20kg ± 200g

Maximum number of batteries in parallel	16
Device protections	Over charge Under voltage Over temperature Over current Short circuit
Cell cycle life	≥6000
Warranty ²	10 years

Battery Dimensions



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1 - When tested at 25°C, with a charge and discharge rate of 0.5C.
2 - Terms and conditions apply