



# Technical Specifications of Boson Ultra+

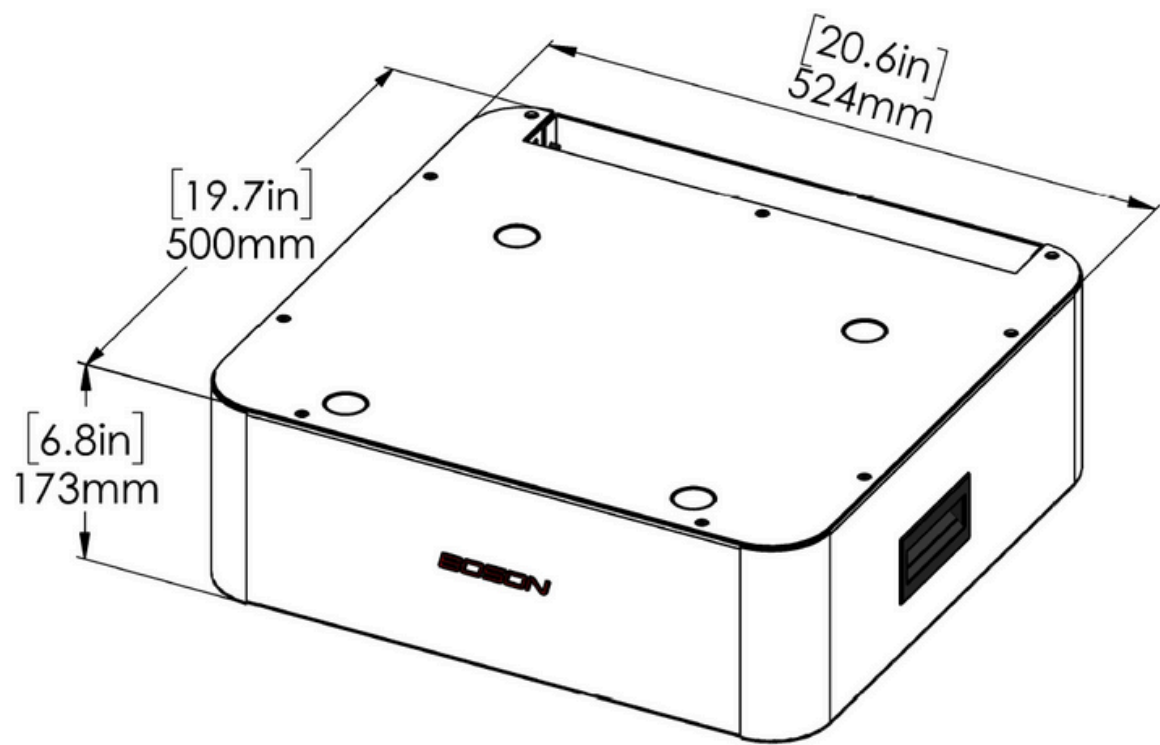
Boson's lithium-ion energy storage solutions provide flexible charging options from either solar or the grid. They efficiently store solar energy, enabling nighttime use or serving as a backup during grid failures. Additionally, these solutions offer a reliable standalone power source for off-grid scenarios.

## Battery Specifications

Battery chemistry	LiFePO <sub>4</sub>
Nominal voltage	51.2 VDC
Rated capacity	100 Ah
Total capacity <sup>1</sup> @ 100% DoD	5.12 kWh
Operation voltage range	40 - 58.4 V
Standard charging current	50 A
Standard discharging current	50 A
Maximum 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
Device protections	Over charge Under voltage Over temperature Over current Short circuit
Cell cycle life	≥6000
Warranty <sup>2</sup>	10 years

## Battery Dimensions



We reserve the authority to implement modifications in the technical data, images, and diagrams presented in this material. The information in data sheets, advertisements, and other promotional documents serves as approximate guidelines unless explicitly identified as binding.

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