



# Battery energy storage solution 11 kWh

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The BYD Battery-Box Premium HVM 11.0 - 11.04 kWh is a high-voltage energy storage solution designed for residential and commercial settings where efficient power management and substantial scalability are key. This unit features a modular design, standing 1097 mm tall, 585 mm wide, and 298 mm deep, making it an excellent choice for areas with space constraints. It utilizes a depth of discharge (DOD) of up to 100%, effectively leveraging its 11.04 kWh capacity to optimize energy output.

The HVM 11.0 is outfitted with advanced safety features such as over/under voltage protection, overcurrent protection, and temperature monitoring, ensuring dependable operation across a range of environmental conditions. It supports a nominal discharge current of 50A, providing strong energy delivery capabilities. For instance, it can power a standard refrigerator (200 watts) for about 55 hours or various household appliances like LED lights, a laptop, and a TV (totaling 300 watts) for approximately 36.8 hours. These performance figures may vary based on the actual energy consumption of the connected devices.

167kg (This is a heavy and bulky item, ensure there is suitable site access per our shipping policy)

The BYD Battery Limited Warranty covers the Battery-Box Premium HVM series, including HVM 8.3, HVM 11.0, HVM 13.8, HVM 16.6, HVM 19.3, and HVM 22.1 high-voltage lithium iron phosphate batteries for 10 years, ensuring at least 60% of nominal energy retention or reaching the minimum throughput energy, whichever comes first, under specified operating conditions. This warranty includes options for replacement, repair, or compensation for defects in materials and workmanship, provided the batteries are used and installed according to BYD's guidelines.

The warranty ensures that the product must be operated in accordance with the detailed instructions in the accompanying manuals and specifies the operational boundaries, such as the use of certified inverters and adherence to recommended installation procedures. Exclusions apply for damages due to improper installation, use with non-certified inverters, unauthorized modifications, and damages caused by force majeure events such as natural disasters.

This warranty is applicable to units purchased and installed globally, with additional protections specified under local consumer law regulations in each country, ensuring that the rights of consumers are adequately protected alongside BYD's comprehensive global warranty standards.

How to select and identify a suitable location to install your battery.

For additional information on Battery Energy Storage Systems, visit: [Electrical Regulatory Authorities](#)



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Council

View their installation requirements here.

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CS6R-440T (IEC1000V) (IEC 61215-2021)

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