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BYD announces compatibility of Battery-Box Premium series with Kostal and reports increased delivery rates in 2020

Shenzhen/Munich, April 23, 2020 – [BYD Co. Ltd.](https://www.byd.com), one of the world's largest manufacturers of rechargeable batteries, announces the compatibility of the latest generation of its modular and highly efficient energy storage system line Battery-Box Premium with the KOSTAL Plenticore Plus and Plenticore BI product line. At the same time BYD reports that Battery-Box production numbers and deliveries from the factory are continuously increasing from Q1 2020. For Q2 2020 the company projects the numbers to triple compared to 2019. The impact of the COVID-19 pandemic and related temporary shipment restrictions for some regions will therefore be compensated promptly from the very well-stocked warehouses around the world. Based on the growing success and market adoption of the Battery-Box system, BYD is continuously increasing the production capacity.

In two consecutive years the combination of the BYD Battery-Box high-voltage model and KOSTAL's Plenticore Plus inverter solution has been ranked among the most efficient energy storage systems by the Berlin-based University of Applied Sciences – HTW. The system combination was also among the most popular package options for customers in 2019, therefore offering a bundle with the new system generation was an obvious step. The bundles of the high-voltage models Battery-Box Premium HVM and HVS with the KOSTAL Plenticore Plus and Plenticore BI inverter are now available.

"Despite the challenging situation due to the global COVID-19 pandemic, both engineering teams did a fantastic job in fulfilling all testing requirements. We are therefore delighted to officially announce the system compatibility to fulfil the market demand for this popular solution bundle", said Julia Chen, Global Director, BYD Battery-Box. "With the new system generation, we complemented the popular features that made the system a top choice among installers and end-customers with additional system features and helpful tools for installers, based on valuable feedback BYD has received from partners and clients."

“KOSTAL and BYD share a common goal: to provide customers with the most efficient and cost-effective storage systems”, said Thomas Garber, KOSTAL Senior Product Manager. “The demand for energy storage is growing rapidly. A recent report by [EuPD](#) showed that the market volume doubled in the last two years and 90 percent of the residential pv systems in Germany are now paired with a storage solution – with Battery-Box having a top market share in this segment. We are therefore very glad to be able to offer the popular combination of our Plenticore series with the latest generation of the BYD Battery-Box Premium system.”



The new generation

The new “Premium” system generation builds on the strong foundation provided by the exceptional performance of thousands of Battery-Box systems around the world. It also meets the toughest industry standards. Just like the award-winning predecessor models, the Battery-Box Premium line is based on BYD’s lithium-iron phosphate (LFP) technology for maximum safety, life cycles and power.

The systems support parallel connection, without the need of an additional communication device, and are therefore even more flexible and scalable, covering an even wider range of application scenarios. All models are capable of high-powered emergency-backup and feature both on- and off-grid functionality. The systems also feature the patented modular plug design and do not require any internal wiring, thus allowing maximum flexibility and ease of use. Combined with the improved design and locking mechanism this makes installation even easier and shortens installation times.

The cobalt-free Premium generation also has a higher energy density and an even smaller footprint, and thus needs less floor space. The system’s internet connectivity, and an optional App, help to simplify set-up, software-updates and monitoring. The high-voltage Premium line offers two models to cover the complete range of system sizes:

One **Battery-Box Premium HVS** system is composed of 2 to 5 HVS battery modules that are connected in series to achieve a usable capacity of 5.1 to 12.8 kWh. Additionally, direct parallel connection of up to three

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identical Battery-Box Premium HVS allows a maximum capacity of 38.4 kWh.

One **Battery-Box Premium HVM** is composed of 3 to 8 HVM battery modules with 2.76kWh each that are connected in series to achieve a usable capacity of 8.3 to 22.1kWh. Additionally, direct parallel connection of up to three identical Battery-Box Premium HVM allows a maximum capacity of 66.2 kWh.

Additional information on the new Battery-Box Premium models are available [here](#).

About BYD

BYD Company Ltd. is one of China's largest privately owned enterprises. Since its inception in 1995, the company quickly developed solid expertise in rechargeable batteries and became a relentless advocate of sustainable development, successfully expanding its renewable energy solutions globally with operations in over 50 countries and regions. Its creation of a Zero Emissions Energy Ecosystem – comprising affordable solar power generation, reliable energy storage and cutting-edge electrified transportation – has made it an industry leader in the energy and transportation sectors. BYD is listed on the Hong Kong and Shenzhen Stock Exchanges. More information on the company can be found at <http://www.byd.com>.

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