

Battery solution 520 kWh

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Battery technology manufacturer American Battery Solutions (ABS) has released series and parallel configurations for its Proliance high-voltage line of lithium-ion battery pack designs for the fleet, commercial and off-highway vehicle markets, as well as the emerging marine EV market.

The T350-50 series connection allows for increased overall system voltage while keeping the same capacity. The series provides scalable and modular batteries that can be connected in up to five sets of packs (708 V / 520 kWh). The integrated high-voltage front end has vehicle and charger interfaces.

The T350-50 parallel configurations also increase the overall capacity while keeping the same voltage, extending driving range and allowing for more energy storage. The 350-50 can be connected in parallel up to 10 packs (354 V / 520 kWh). Energy ranges from 50 kWh to over 100 kWh for increased amp-hour capacity.

The series and parallel designs will be manufactured at the company's Advanced Manufacturing Center in Springboro, Ohio.

“These extensions of our T350-50 series meet a critical need for our customers looking for more power and flexibility in some of the most demanding energy applications,” said Subhash Dhar, Chief Executive Officer of ABS.

Source: American Battery Solutions

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With a mentality of continuous improvement of our products and services - we seldom think in product generations. And thanks to our modular system, this means we can continuously expand our truck offering - approaching new applications and transport needs.

This process has now brought us to the point where we no longer need to differentiate between urban or regional operations on a platform level - and moving forward we can offer one consolidated electric truck platform which can then be specified to whichever needs you have. This means we now offer more chassis variations and wheel configurations, more cab options, as well as multiple e-machine choices - optimised for weight and energy efficiency or for torque and power.

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With an electric machine, the driving experience will be different in all the right ways. A more nuanced drive with faster and more direct response, better acceleration and at the same time a smoother feel. All with zero emissions and lower sound levels, and with the choice of fully electrical, electromechanical or mechanical PTO.

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Web: <https://www.kary.com.pl/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

