

## Chinese off grid batteries

Chinese manufacturer Bslbatt has unveiled a modular lithium-ion battery that can be used for the off-grid storage of solar energy. The device has a storage capacity ranging from 5.1 to 30.7 kWh and is claimed to provide steady operation for up to 6,000 charge cycles.

The low-voltage off-grid solar battery system.

Chinese storage system manufacturer Bslbatt has launched an off-grid battery for the off-grid storage of photovoltaic electricity.

Called BSL Box, the new modular battery is described by the company as a low-voltage device with a storage capacity of 5.12 kWh that can be expanded in stacking by reaching a capacity of up to 30.72 kWh.

The battery features internal plugs that eliminate the need for cable connections and all external cables can be integrated into one plug, which the manufacturer claims make the connection to the inverter easier.

The battery is claimed to provide steady operation for up to 6,000 charge cycles.

“The battery system has a service life of more than 10 years. Regarding compatibility, the BSL Box battery system can be used with well-known inverters such as Victron, Growatt, SMA, Studer, Fronius, Deye, and Goodwe,” the company said in a statement. “A further feature is that the BSL Box when communicating with the inverter allows for closer control of the battery and the ability to query battery data via the internet.”

The company claims that the battery can help smooth out peak consumption. “After installation, users can continuously monitor the consumption of solar panels and batteries via an application,” it also explained. “In short, thanks to the BSL Box, self-consumption can quickly increase by 30%, thus saving on energy costs.”

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This system sounds good but yet again no prices, in todays impressive and unaffordable energy cost price rises for electricity i would have thought that these manufacturers would be very much interested in getting the publics interest in there products

I have a 2012 Mercedes-Benz Sprinter 170 inch wheelbase extended. I am considering going all solar I believe there's plenty of room on the roof to install panels that would be with air conditioning and two vents. I understand that they put framing on the roof in order to hold this panel system up.



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Your van would likely only hold 4 panels max, if you had A/C the 3, 2 roof vents subtract another one. So now put 2 panels up there, let's say 280w ea that's 560. Now say after inverter, storage round trip and controller losses ya get 500 out. Maybe 5 hours full sun equivalent, that's 2.5 kW / day. And your load? Charge your phone, maybe your laptop but you won't be running A/C off that. Do your homework. It's not worth it to put solar on a van you use. You'll lose more from lower milage due to air resistance than using the lost gas in a small Genset

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