

Power converter EA-BC 500



Unfortunately, my Zebra is also champion in energy consumption. My fully charged auxiliary battery lasts for roughly one night. The fridge, the auxiliary heating, the kettle, the stereo, the various lamps... , all need power, partially considerable. Therefore, whenever I stay at the same place for several days, the capacity of my batteries is by far not enough.

The options to correct this nuisance are quickly listed: Either I increase the capacity of my batteries considerably (which means more accus in my car without proper space to put them), I buy a small diesel generator (heavy, also needs space) or I attach my Zebra to an outside power source. The latter was basically the only option I had. Although I probably won't find an electrical socket in open nature, it is sufficient when staying at a camping resort.



The converter is imply attached to the auxiliary battery and supplies it with external power when needed. In addition, space consumption and weight are small. For the external power connection I have mounted an outside socket, available in most camping supply stores. That makes live easy. Everything should be ok if you carry the right electrical adapters with you and enough (insulated) cable. The converter can be connected to various national volt and hertz standards (90V to 240V, 50 to 60Hz) and is available in various charging amperage and current (12V ... 48V).



My experience is good. I was never short of battery power when using the aggregate and (so far) it is also resitant against vibration and shocks. In additon this solution has another advantage. When the car is not in use over a longer time periode (eg winter), I don't have to attach separate units to the battery for charging and/or maintenance. I just switch on the converter and the batteries are charged and maintained automatically and without special efforts. Regarding quality, the converter seems somewhat sensitive to moisture though. I had to send in the unit twice because of internal short circuit. However, as it was within guarantee period, it was always replaced without any problems and it works fine now for over two years.