

Device for stabilizing and converting the voltage of stand-alone critical infrastructure systems includes a battery power supply, a DC-DC converter with output voltage stabilization, and an output interface for connecting users. Wherein the input of the DC-DC converter is electrically connected to the output of the battery power supply, and the output of the DC-DC converter is electrically connected to the output interface for connecting users, and the DC-DC converter is designed to operate over a wide range of input voltages.