

Power control device in an electrical network includes a signal difference calculation unit, with the output of the electrical network connected to one of its inputs and a reference signal connected to the other input. Wherein a controller consisting of a fourth-order infinite-impulse-response filter and an amplitude limiter connected in series. The controller's input is connected to the output of the signal difference calculation unit, and the controller's output is connected to the power control input of the generator, whose power output is connected to the electrical network that supplies the network load. The generator consists of a logic block and a power block connected in series, and the logic block consists of a switch, a first IF element, and a second IF element, wherein the generator's data input is connected via the first IF element, connected in series, to the switch control input and the power block mode selection input. The power control input is connected via a series-connected switch to the power control input of the power unit, and the voltage measurement output of the power unit is connected via a series-connected second "if" logic block to the second input of the first "if" logic block.