

5.09. FREQUENCY AND VOLTAGE CONVERTERS FOR SIMULATION OF ON-BOARD POWER SUPPLY SYSTEMS

Small-sized frequency and voltage converters are designed for ground simulation of on-board power systems:

- 3 phases, 220 V, 400 Hz;
- 1 phase, 220 V, 400 Hz;
- 3 phases, 36 V, 1000 Hz;
- 1 phase, 115 V, 1000 Hz.

With coefficient of nonlinear distortions of the output voltage $K_{n.d.} \leq 3\%$ in the range from no-load to full load.

They have an output power from 0,8 to 6 kVA, differ by a high-frequency conversion unit, high technical and operational characteristics, and successfully replace electromechanical frequency converters.

