

SOFC TECHNOLOGY

- Ecological safety
- Low noise and vibration level
- High efficiency (up to 70%)
- Modularity
- Serial production



SOFC power plant

In serial power plants used planar fuel cells (ASC, MSC), which are produced in sufficient quantities and in a reasonable time;

Implemented hot-swappable nodes;

Environmentally friendly (no soot, NOx and SOx in exhaust gases);

Operating temperature of the electrochemical generator: 750°C;

Air or steam reforming of natural gas, and recirculation of anode gases are possible;

The start-up of power plant within 10 minutes;

Fuel: natural gas, coal, diesel;

Current: DC and / or AC.

Usage

Cathodic protection stations (up to 7 kW);

Charging stations for electric vehicles (100 kW);

Housing and communal facilities (up to 150 kW);

Land, water and air transport (up to 50 kW).

5 kW power plant for cathodic stations



SOFC operation principle

