

Maxima Electronics LLC

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<http://www.maxima-el.ru/>

At the moment, the Maxima Electronics company is engaged in the production and modernization of the following types of products:

- Controllers thermostats (mass-produced)

1) Cooling control units

- a) for household refrigerators;
- b) for retail storefronts;
- c) for industrial refrigeration units;
- d) for chillers.

<http://www.maxima-el.ru/catalog/bloki-upravleniya-holodilnym-oborudovaniem>

2) Heating control units

- a) for household heating appliances;
- b) for thermal units (boiler rooms);
- c) for thermal cabinets, dryers, etc.;
- d) for solid fuel boiler controllers.

<http://www.maxima-el.ru/catalog/bloki-upravleniya-sistem-obogreva>

3) Control units (heating, cooling, climate control)

- a) for shop windows (heating, cooling);
- b) for building climate control systems (heating, cooling, dehumidification);
- c) for climate cabinets (heaters, coolers, dehumidifiers);
- d) to control ventilation and air conditioning.

<http://www.maxima-el.ru/catalog/bloki-upravleniya-avtomatikoy-ventilyaciy-i-kondicionirovaniem>

4) Controllers for heat pumps, chillers, refrigeration units (refrigeration, electrical protection automation)

- Power electronics (little serial production)

1) Switching power supplies (AC-DC, DC-DC)

Example: step-down power supply unit (PSU) for lighting and galvanic isolation; PSU for controllers and automation (12-48 V or more)

2) Chargers (AC-DC)

Example: charger for car batteries; charger for electric vehicles; charger for boats and battery of autonomous power supply

3) Inverters (DC-AC, DC-DC) - converters from DC voltage to alternating sinusoidal (220 V, 50 Hz)

Example: providing operation from a battery or solar panels of devices designed for alternating voltage (AC 220 V, 50 Hz) - motors, pumps, fans, refrigerators, etc.

4) Frequency converters (AC-DC, AC-AC)

Example: speed and power control of asynchronous motors, smooth start-stop, motor protection

5) Stabilizers (transformer, online HF) - devices for protecting devices and equipment from unacceptable network values, surges and HF interference

6) Uninterruptible power supplies of long-term reserve (UPS, charger, inverter, network filter, switch 12-220 V and more)

Example: provision of uninterruptible power supply, connected devices and equipment, alternating or constant voltage when the network is disconnected; management of backup power sources (generator, solar panels, etc.); charging of the system battery when power is resumed from the network, generator or solar panels

<http://www.maxima-el.ru/catalog/istochniki-bespereboynogo-pitaniya-ibp>

7) Network inverters - generation of electricity to the grid (220 V, 50 Hz) from DC sources (solar panels, battery, wind generator, etc.)

- Wireless and wired sensors, control and data transmission systems (small batch production)

- 1) Autonomous radio sensors (temperature, humidity, CO, CO₂, etc.)
- 2) Wireless and wired extension cords for controllers
- 3) Transceiver for connection to the computer (the collection, transfer, data analysis, management modes and devices, transmission of alarms via the Internet, Bluetooth, Wi-Fi, GSM, etc.)
- 4) Actuator with wireless control (valves, motors, heaters, etc.) (semistor or relay)
Used in conjunction with thermostats, controllers and UPS.

<http://www.maxima-el.ru/catalog/besprovodnaya-sistema-kontrolya-temperatury/besprovodnaya-sistema-kontrolya-temperatury>

- Lighting equipment and phytolamps (small batch production)

- 1) Lamps, spotlights, phytolamps
 - 2) Lighting control and monitoring (wired, wireless)
- Adjustment: On/Off, glow intensity, (for phytolamps, additionally control of glow spectra).

<http://www.maxima-el.ru/catalog/svetilniki-i-fitolampy>

<http://www.maxima-el.ru/catalog/sistemy-upravleniya-naruzhnym-osveshcheniem>

- Automobile electronics (available on request)

- 1) Alarm system, GSM alarm system
- 2) Automatic engine warm-up
- 3) Position sensors
- 4) Immobilizer
- 5) Radio timers
- 6) Turbo timers
- 7) Remote control and notification systems (via radio, Internet and GSM networks)

<http://www.maxima-el.ru/catalog/avtomobilnaya-elektronika>