



ООО «НАУЧНО-ПРОИЗВОДСТВЕННАЯ ФИРМА ИРБИС»



HOME

ABOUT US

NEWS & ANNOUNCEMENTS

ARTICLE

ONLINE CATALOG

CONTACTS

REVIEWS

QUESTIONNAIRES

FEEDBACK

Search the site....



Converters for Electrical Technology



ONLINE CATALOG

CONVERTERS FOR ELECTRICAL TECHNOLOGY

POWER SUPPLIES FOR PLASMA TORCHES

FREQUENCY ELECTRIC DRIVES

SPECIAL. ELECTRIC DRIVE DESIGN

REMOTE CONTROLS

FREQUENCY CONTROL STATIONS

SOFT STARTERS

EQUIPMENT FOR ELECTRIC VEHICLES

CONVERTERS FOR ELECTRICAL TECHNOLOGY

OTHER ELECTRICAL EQUIPMENT

INDUSTRY APPLICATIONS

SERVICES

VIEW VACANCIES

LLC NPF IRBIS

Address:

630088, Russian Federation, Novosibirsk, Petukhova str., 69B k1 (entrance from the side of Severny Proyezd, between buildings 7/1 and 7/2)

Directions

Bank details

Postal address:

P.O. Box 242, Novosibirsk, 630088, Russian Federation

Phones:

(383) 285-15-15 (multichannel).

Opening hours: Monday to Friday 8.⁰⁰-

17.⁰⁰, lunch 12.⁰⁰-13.⁰⁰

E-mail: info@irbis-privod.ru

POWER SUPPLY FOR MICRO-ARC OXIDATION

POWER SUPPLY OF HIGH VOLTAGE HIGH FREQUENCY ARC TORCH

DEHUMIDIFIER CONTROL AND MONITORING SYSTEM

TRANSDUCERS FOR OZONATOR POWER SUPPLY

TRANSDUCERS FOR ELECTROLYZERS

POWER SUPPLIES FOR PLASMA TORCHES

POWER SUPPLIES FOR PLASMA TORCHES

A **plasmatron** is a technical device in which, when an electric current flows through a discharge gap, plasma is formed, which is used to process materials or as a source of light and heat. Literally, **plasmatron** means **plasma generator**. [http://ru.wikipedia.org/wiki/ Plasmatron](http://ru.wikipedia.org/wiki/Plasmatron)

Plasma Torch Applications

- welding and cutting of metals and refractory materials;
- application of ion-plasma protective coatings on various materials;
- application of ceramic, thermal barrier, electrical insulation coatings on metals;
- heating of metal in ladles during open-hearth production;
- production of nanodispersed powders of metals and their compounds for metallurgy;
- spacecraft engines;
- thermal neutralization of highly toxic organic waste;
- synthesis of chemical compounds (e.g., synthesis of nitrogen oxides, etc.);
- pumping of high-power gas lasers;
- plasma penetration of hard rocks;
- **Oil-free ignition of pulverized coal boilers of power plants;**
- melting and refining (purification) of metals during plasma-arc remelting;
- Selective recovery of the target product in the ore (**EPOS-process**®).

Transistor power supplies of **IRBI** plasma torches are used, among other things, when there are high requirements for the speed and accuracy of plasma torch current regulation, as well as when it is necessary to ensure an increased quality of energy consumed.

Technical Specifications:

Nutrition	from 2 three-phase windings (three-winding transformer) with a voltage of 3x500V, connected in a "star" or "triangle."	
Coeff. power, not less than	0.9 (at least 50% load)	
Efficiency, not less than	0,95	
SD Output Voltage	Voltage	0... 1300V
	PWM Frequency	0.7...10kHz
Rated current, A	from 160	
Adjustable value	Plasma Torch Current, Transducer Output Voltage	
Power supply of the control system	3x380V±10% 50/60Hz	
Management	Local	Using the controls on the front panel
	Remote	Using analog/discrete inputs RS485 Modbus RTU Interface
Execution	Cabinet	
Cooling	Air, Forced	
Connection	Power Input and Output	Cable, bottom of the cabinet
	Control Cables	Cable, bottom of the cabinet
Service	Single-sided, through doors	
Exploitation	Fur. Factors	Group "M1"
	Climatic factors	Group 2
Transportation	Fur. Factors	Group "G"
	Climatic factors	Group 1

[Home](#) • [About Us](#) • [News & Announcements](#) • [Articles](#) • [Online Catalog](#) • [Contacts](#) • [Testimonials](#) • [Questionnaires](#) • [Feedback](#)

[Frequency Drive for Pumps](#) | [Motor Soft Starter](#) | [Frequency Inverters for Electric Motor](#) | [Inexpensive Frequency Inverter](#) | [Soft Starters](#) | [Soft Start Induction Motor](#) | [Vibratory Hammer Control](#) | [Process Converters](#) | [transistor power supplies up to 1000kVA](#) | [Powerful Chargers](#) | [Transistor Power Supplies for Plasma Torches](#) | [car dumper](#)