

# New products at EXPOPOWER 2009

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Trade shows provide an excellent opportunity to become familiar with the latest products and technologies launched in the Polish market. Below please find a detailed list of new offers entered by companies participating in this year's edition of EXPOPOWER.

## **Elektrobud SA**

Pavilion: 7 Stand: 43

### **ICZ<sup>E</sup> INDUSTRIAL TRANSFORMER STATION**

This innovative product guarantees measurable financial results thanks to reduced costs of power supply construction, as well as lower running costs. The innovation consists in modifying the way of supplying power to technological lines, machines and other devices by installing them in the vicinity of the ICZ<sup>E</sup> station. This patented product (Patent No. P-384267) has been developed specifically for manufacturing plants, service companies, banks and supermarkets connected to medium voltage power networks with power exceeding 40 kW.

## **Elektromontaż Poznań S.A.**

Pavilion: 7A Stand: 1

### **RAWA MEDIUM VOLTAGE MINING SWITCHGEAR**

RAWA Medium Voltage Mining Switchgear is designed for controlled receipt and distribution of three-phase 50Hz AC current at a nominal working voltage up to 12 kV. RAWA switchgear is characterised by compact size and IP 54 rated housing, which makes it suitable for installation in mines as the main and sub-main switching station.

## **Ever Sp. z o.o.**

Pavilion: 7A Stand: 61

### **UPS POWERLINE 3-1**

A line of technologically advanced Online (VFI) UPS units, designed for use with devices powered from ~230V three-phase power networks, i.e. servers, computer networks and data processing systems. External battery unit can be additionally connected. Powerline 3-1 units are available in Tower version only.

### **UPS POWERLINE 3-3**

A line of technologically advanced Online (VFI SS 111) UPS units, designed for use with devices powered from ~400V three-phase power networks, i.e. servers and advanced uninterruptible power supply systems. External battery unit can be additionally connected. Powerline 3-3 units are available in Tower version only.

### **UPS SUPERLINE 1-1**

UPS units developed in VFI-SS-111 technology, dedicated to particularly sensitive applications. Generating output voltage with model parameters, they are characterised by extremely high short circuit current (which allows to obtain high selectivity at power distribution lines), long standard hold-up time, and short recharge time of the power supply unit. Available in Tower version.

### **Electric Apparatuses Factory Zwarpol Ltd**

Pavilion: 7A Stand: 80

#### **FREE-STANDING AUTOMATIC TEST STATION FOR DIELECTRIC TESTING OF PERSONAL PROTECTIVE EQUIPMENT**

Testing gloves and electrical safety boots, 2 test lines, colourful touch screen, user-friendly interface; measurement, adjustment, control and safety systems; data archiving feature; preset programmes for different equipment classes – compliant with official standards, or customisable to in-house parameters; innovative power supply solution for the test lines.

### **First Truck International Sp. z o.o.**

Pavilion: 7 Stand: 31

#### **LDV MAXUS, BRITISH DELIVERY VAN**

The job is tough. We undertook to design an entire range of vans and chassis in such a way so as to make the tough job easier. The development of these uncompromising vehicles has been based on a thorough understanding of your true needs. MAXUS, reliability comes as standard.

### **Institute of Atomic Energy**

Pavilion: 8 Stand: 11

#### **REACTOR FACILITY FOR NEUTRON TRANSMUTATION DOPING OF SILICON SINGLE CRYSTALS**

The prototype installation draws on the characteristic physical properties of MARIA reactor. Silicon subjected to neutron transmutation doping can be used in microelectronics. The project has been awarded an honourable mention as a "Technology of the Future".

### **Tele & Radio Research Institute**

Pavilion: 7A Stand: 68

#### **MUPASZ 710 AND MUPASZ 810 EXTREME – THE NEW GENERATION OF HEAVY DUTY BAY CONTROLLERS WITH POWER QUALITY ANALYSERS**

Designed to operate in extreme conditions, Mupasz 710 and Mupasz 810 extreme are world class innovative devices combining the functionalities of a bay controller and a comprehensive power quality analyser. These solutions ensure effective improvement of power quality by solving the issue of providing continuous monitoring in numerous spots along the power network, without the need for periodic application of expensive free-standing quality analysers.

### **KPB Intra Polska Sp. z o.o.**

Pavilion: 7 Stand: 56

CTS 17, VTS 17 current transformers dedicated to 15 kV grids.

#### **CTSO 17 OUTDOOR CURRENT TRANSFORMERS**

#### **VTS 12P, VTS 17P INDOOR CURRENT TRANSFORMERS WITH AN INTEGRATED FUSE**

#### **VPPT 38.2 OUTDOOR VOLTAGE TRANSFORMERS (2500 VA)**

#### **AFR30 FERRORESONANCE PROTECTION SYSTEM**

### **Merserwis**

Pavilion: 7A Stand: 25

#### **GRAPHTEC GL-800 MIDI DATA LOGGER**

The GL-800 data logger from Graphtec is an innovative device designed for recording electrical and non-electrical data. It allows to measure between 20 and 200 analogue voltage channels (20mV – 50V), also accepting temperature (thermocouple), humidity, pulse and logic signals.

### **ORVALDI Power Protection Sp. z o.o.**

Pavilion: 8 Stand: 24

#### **ORVALDI INV12-500W INVERTER**

ORVALDI INV12-500W inverter is an ideal sinusoidal solution designed to ensure uninterrupted operation of central heating furnace pumps. In order to guarantee continuous operation of a typical 45W central heating pump for up to 6 hours, it is enough to provide a 33Ah battery. Easy to read built-in display shows key working parameters.

### **PROMET Spółdzielnia Niewidomych**

Pavilion: 8 Stand: 16

#### **NEF30-WP UNIVERSAL POSITION INDICATORS**

Universal indicators operating within a broad voltage range: 24V - 230V AC/DC. Implemented LED lights are characterised by extreme durability and low energy consumption. Thanks to a robust metal housing and a transparent diffuser resistant to mechanical damage, this IP65-rated product can be applied in demanding industrial environments.

#### **PD – PUSH BUTTON FOR ACTIVATING SMOKE EXTRACTION SYSTEM**

Employed in smoke extraction systems, PD buttons are used for manual activation of fire dampers and a variety of smoke vent solutions. The body comprises a grey high-grade ABS casing, and a front plate with a glass panel. PD button is activated directly, alarm being set off when the glass is broken.

#### **PA – EMERGENCY PUSH-BUTTON**

PA buttons are used for manual opening of doors and gates along emergency evacuation routes, or for other purposes. The body comprises a green high-grade ABS casing, and a front plate with a glass panel. PA button is activated directly, alarm being set off when the glass is broken.

#### **NEF22 CONTROL PUSH-BUTTONS**

Main button body is made of plastic, available in two colours: grey and black. Connecting snap-mounted elements – green 1NO and red 1NC (colour identification) – comply with positive opening operation requirements. Wide inlet ensures easy access to cabling. Each push-button can be illuminated with a universal 24-230V AC/DC LED.

#### **RST sp.j. Białystok**

Pavilion: 8 Stand: 26

#### **TYPE I+II OVERVOLTAGE LIMITERS, SERIES: IPV BC 320/12.5KA**

RST sp.j. has launched a new line of overvoltage limiters manufactured by LEUTRON. IPV BC 320/12,5kA series limiter is a varistor (MOV) based solution compliant with type I+II requirements (EN 6235-11). It is applied for potential equalisation and for limiting switching overvoltage in the power supply network ( $U_{p1}=1,3$  kV,  $I_{imp}=12,5$  kA (10/350) s).

#### **Siemens Sp. z o.o.**

Pavilion: 7A Stand: 53

#### **NEW 8DJH – PROVEN STATE-OF-THE-ART TECHNOLOGY**

Flexibility of configuration is a decisive factor determining the choice of MV switchgear. With its modular design, 8DJH switchgear sets a good example to follow. This solution allows unrestricted configuration, not only within panel blocks, but also in more complex layouts. Optionally, all individual panels and panel blocks can be extended. Thus, 8DJH enables the implementation of any switchgear arrangement – from typical ring-main units and customer transfer substations to industrial switchgears with multiple circuit-breaker feeders. The main advantage of 8DJH switchgear is its conceptual consistency.

#### **Tavrida Electric Polska sp. z o.o.**

Pavilion: 7 Stand: 55

#### **PROTECTION TEST SET FOR KTR CIRCUIT RECLOSER**

The device allows to test the protection system of KTR circuit recloser installed in MV line within the network, without the need for disassembling the recloser. A simple way to verify recloser protection. ITS interface is also convenient in a laboratory, where KTR circuit recloser can be tested without the need for generating the initial voltage and current values.

#### **TE-1 VACUUM INTERRUPTER WITH POLES IN TANDEM ARRANGEMENT**

Designed for indoor applications in switchgear units enabling secondary energy distribution for handling MV receivers. Equipped with a built-in, manually operated voltage generator for circuit breaking whenever auxiliary voltage is missing. Series: 12 kV, 17.5 kV, 630A-2000A.

#### **Zircon Poland Sp. z o.o.**

Pavilion: 7 Stand: 18

#### **ACCC/TW LOW-LOSS, LOW-SAG COMPOSITE CORE CABLES**

Energy-efficient, low-loss cables (type ACCC/TW) with a composite core, facilitating access to EU funding thanks to at least 30% less overhead line losses. Environmentally-friendly technology that helps rapidly increase the carrying capacity of a line, without the need for strengthening or raising support structures.