



CATHODIC PROTECTION

BTH3-24V100A Multichannel- Multi Mode Automatic CP Rectifier

High Efficiency CP Rectifier with Built-in GPS Interrupter, Programmable Non dissipative current sharing resistors and MODBUS Scada Connection



BTH3-24V100A has the ability to run, depending on the configuration, as single rectifier, two different rectifiers or three different rectifiers thanks to its three modules.

Up to 6 for each module, 18 in total, reference electrodes can be connected. The device has a total of 5 configurations. The configurations are designed in accordance with the cases of taking the reference voltage from one region or multiple regions, and number of available anodes.

The usage of reference electrode voltages can be adjusted. You can set as "take the overall", "take the highest" or "take the lowest" of references.

BTH3-24V100A removes the problems that a real resistor creates such as power loss or excessive heat thanks to its virtual resistor set feature.





Reliable power topology,
precise output control



Technical Specifications

Supply Voltage	380 V 3Ph 50 Hz
Supply Current	14 A
Input Power	9.25 kVA / 8.8 kW
Power Factor	0.95
Output Voltage	3 x 24 V
Output Current	300 A (3 x 100 A or 200 A + 100 A or 300 A)
Output Power	7200 W
Panel	Hot Dip Galvanized
IP Protection	IP54
Air Cooled	Available
Oil Cooled	Available
Cooling Oil	Electrol U/N42
Tank Capacity	270 lt
Oil Level Indicator	Available
Oil Temperature Indicator	Available
User Interface	7" 800x480 color TFT screen, 4x5 keypad and indicator LEDs
Scada Connection	RS485 Modbus RTU
4G GSM Module	Available (Optional)
Built-in Interrupter	Available
Moduler Functioning	Available
Output Contacts	4 Dry Contacts
Short Circuit Protection	Electronic
High Frequency Power Converter	Available
Reference Electrode Input	6 (Up to 18 optional)
Reference Input Range	± 10 VDC
Sunshade	Available
Panel Size (WxLxD)	2000 x 1010 x 815 mm
Sunshade Size (WxD)	1400 x 1350 mm
Warranty	2 years (component and workmanship faults)
Component and Service Warranty	10 years

All measurement devices are integrated with user interface in system.
All measurements can be seen on LCD display.

* Please note that all products, product specifications and data presented in this datasheet or web site are believed to be free of errors and subject to change without prior notification for continued improvement. It is the users responsibility to ensure the suitability of the product for a specific application.