

# HF power amplifier BURST 1000A.



## Technical characteristics of the HF power amplifier BURST-1000A

- Output power 1100 W PEP (SSB and CW)
- All bands HF, including WARC bands and 6 meters
- Rated Input Power: 15W
- The mains voltage VAC 230
- LCD display
- Control over Ethernet
- Modern design
- Intuitive menu
- All types of protection:
  - SWR
  - overcurrent
  - overheat protection
  - exceeding the input power
  - switching error protection range (LPF Error)
- Permissible operating conditions
  - Working temperature range: -10 ° C (antifreeze) + 40 ° C
  - Relative humidity 95% (at 35 ° C)
    - Dimensions of the device (without protrusions) - 310 x 353 x 153 mm.
    - Weight - 14 kg.

- Color TFT display with a diagonal of 4.3 inches (95 x 53 mm), a resolution of 480 x 272 pixels and 24-bit color
- There is a possibility of remote control via Ethernet
- The operator is able to monitor all the main characteristics of the operating mode into digital form
- Statistics of failures - in the non-volatile memory to store detailed information about all the contingencies PA
- Modern security scheme to ensure the integrity of electrical circuits device
- Lightweight and compact with respect to its power
- Suitable for use with any transceiver
- Controlled standard signals. Enabling transmission mode (PTT) is performed by applying zero. Rated power at the RF input device 15 W
- Yield transceiver is well matched to the broadband input. The SWR is at around 1.2: 1 in the range 1.8 - 54 MHz without any adjustments
- Automatic control of the transceiver by CAT protocol. PA continuously monitors the operating frequency and produces a change in the ranges
- Integrated frequency counter, band decoder and connect AUX, in the case of non-compound CAT determines the frequency and allow to correctly operate the amplifier operating range
- FETs type MRF1K50H (MOSFET) capable of absorbing high levels of mismatch of the output (high SWR)
- A solid protection from current surges and automatic compensation of reactive power is achieved by switching power supply quality
- The range of input voltage (85-300 V)