THE MAGDRIVE 2000 is a switch-mode power supply designed to drive a 2kW industrial magnetron. In addition, it can be used to power a 1.5kW magnetron with some changes in the parameters that are read and controlled by the embedded CPU.

The power is adjusted in a seamless and wide span, enabling the Magdrive 2000 to adapt to various anode voltages and load conditions.

The behavior of the magnetron is monitored and regulated. The regulated filament increases the life span of the magnetron, making the Magdrive 2000 a reliable and stable source of power.

GENERAL FEATURES
- Designed for 1.5 kW or 2 kW 2450 MHz standard magnetrons
- Continuously variable output power level
- Internal filament current circuitry
- High efficiency
- Low weight
- Completely boxed with cooling fan
- RS232 port for control and parameter setting

MAGNETRON LONGLIFE FEATURES
- Regulated filament current supply
- Moding and arcing protection
- Optimization for narrow bandwidth settings
INPUT DATA
- **Mains voltage**: 230-277VAC ±10%
- **Mains frequency**: 50-60 Hz
- **Power factor**: >0.95 @ 230VAC / 100% power

OUTPUT DATA
- **Anode power**: 300-2700W 1% steps, Regulated P=U * I
- **Anode voltage**: 4-4.5 kV (Application dependant)
- **Filament current**: 10-20 A, Automatic reduction
- **Efficiency**: >93% @ 100% power

CONTROL
- **Communication**: Optically isolated rs232
- **Stand-alone**: @VAC or @closing contact
- **Setpoints**: Anode, filament, protection levels
- **Feedback**: Anode W, anode current, filament current, alarms, temp, running hours

ELECTRICAL PERFORMANCE

APPROVALS AND ENVIRONMENT
- **2014/35/EU LVD**: Electrical Safety SS-EN 61010-1
- **2004/108/EC EMC**: Standard SS-EN 61326-1: 2013
- **Immunity**: SS-EN 61000-4-2 through -8, SS-EN 61000-4-11

MECHANICAL DATA
- **Weight**: 6.1 kg
- **Overall dimensions**: Length 360 mm, Width 210 mm, Height 160 mm

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