

# DVG500

## Overview

**The ballasts of DVG500 series are suitable for uv lamps with lamp current 300W to 500W.**

Electronic ballasts (lamp drivers) offer considerable advantages over conventional devices: they provide quiet, flicker-free light, ignite the lamps gently, increase the life of the tubes while saving energy, and increase the radiation output of the lamps with the same energy input.

The digital ballasts from SES GmbH are microprocessor-controlled and can therefore be optimally adjusted to any lamp. They are available for low-pressure and amalgam lamps and are used especially in the areas of sunbeds, air and water disinfection, UV curing, ozone formation, etc.



### Mains

185-253VAC  
50/60Hz

### Power

300W-500W

### I-Lamp

2,0-5,0A

### Temp

ta: 5-45°C  
tc max: 50°C

IP20

CE

## Functionality

- Preheat current and time adjustable by software
- Lamp current adjustable by Software
- Lamp monitoring (current, voltage, cable break)
- Status indication via LED, Error output (relay)
- RS version with RS485 available

## Available Types

- DVG500-1 Pmax 500W / I-Lamp 3,0-5,0A
  - DVG500-2 Pmax 500W / I-Lamp 1,8-3,0A
  - DVG500-1-RS Pmax 500W / I-Lamp 3,0-5,0A
- other lamp currents available

## Technical Data

Type	Data
Lamp output power	300W-500W max.
Mains voltage	230 VAC +/-10%
Mains Frequency	50/60 Hz
Mains connection	L, N, Protection Ground
UV lamp operating voltage	70V - 160 V (depending on lamp type)
UV lamp operating current	~ 2,0A - 5,0A
Ignition voltage	~ 0,6kV - 1,5kV
Duty frequency	~ 30 kHz / ~ 120kHz
Power loss	2% - max 10 % of total lamp power
Powerfactor	>=0,96
Max. distance to lamp	5m (min 0.5mm <sup>2</sup> )
Status indication	LED and Status relay
Ambient temperature, storage / humidity	-5 to +70° C / max. 80%, not condensing
Ambient temperature, operating	5 to 45° C (higher temperature available)
Dimension (LxBxH)	Approx. 248 x 108 x 58 mm
Weight	~ 0,5 kg
Protection	IP20
Cooling	Air cooling external needed
Mounting position	Vertical, mains connector on top
Options (Dimming, RS485)	Dimming input 1-10VDC, RS485 (Modbus RTU)
According to the EMC specifications: EN 61000-6-2, EN 61000-6-4, EN 55011, EN 61000-4-2K-6, EN 61000-4-1161000-6-4, EN 55011, EN 61000-4-2K-6, EN 61000-4-11	