

# DVG80

## Overview

**The ballasts of DVG80 series are suitable for uv lamps with lamp power from 40W to 120W.**

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

40W-120W

### I-Lamp

300-1200mA

### Temp

ta: 5-45°C  
tc max: 50°C

IP20



## 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)

## Available Types

- DVG80-1 Pmax 120W / I-Lamp 900-1200mA
  - DVG80-2 Pmax 80W / I-Lamp 600-900mA
  - DVG80-3 Pmax 40W / I-Lamp 300-500mA
- other lamp currents available

## Technical Data

Type	Data
Lamp output power	40W-120W max.
Mains voltage	230 VAC +/-10%
Mains Frequency	50/60 Hz
Mains connection	L, N, Protection Ground
UV lamp operating voltage	40V - 100 V (depending on lamp type)
UV lamp operating current	~ 300mA - 1200mA
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. 192 x 78,5 x 52 mm
Weight	~ 0,3 kg
Protection	IP20
Cooling	Air cooling external needed
Mounting position	Vertical, mains connector on top
Options (Dimming, RS485)	Not available
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	