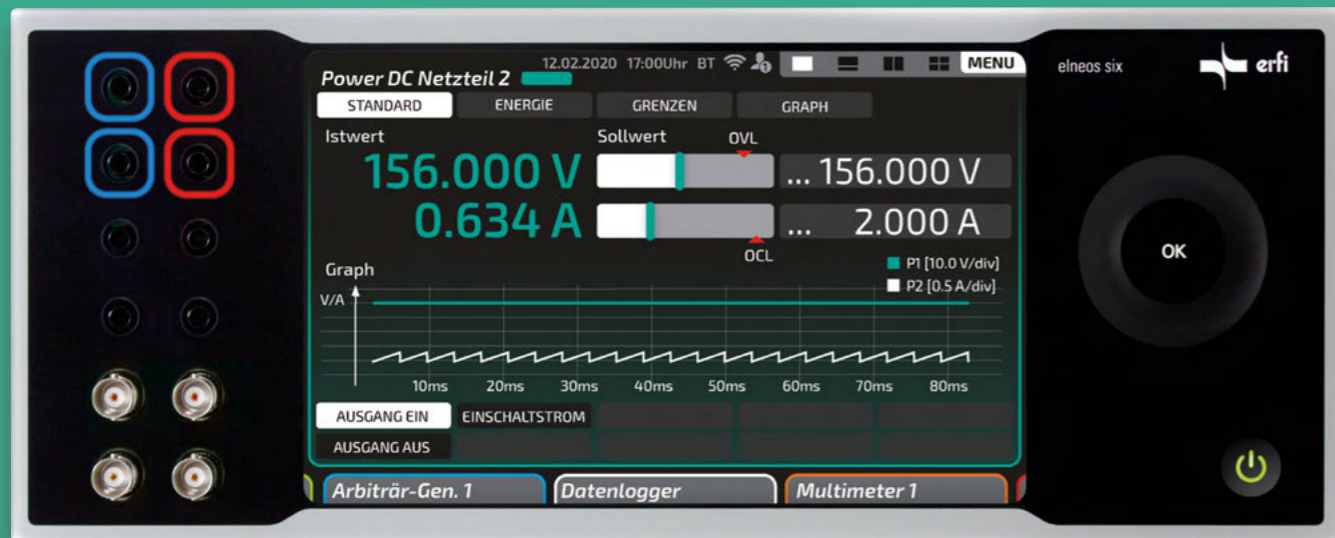


# Switch Mode Power Supply

Order no. **EL6.GDC.012.066** to **EL6.GDC.400.007** from 800 watt to 3.000 watt



**Bandwidth:** Voltages up to 400 V and currents up to 125 A ensure a wide range of applications. In addition, the units can be connected in series and parallel.



**Combinatorics:** Even in combination with the longitudinally regulated power supply units (here NT1), the power supply units work together without any problems.

**High-current clamps:** For devices with output currents > 32 A, a separate slave with high-current clamps is included as standard.



**Quattro screen:** The power supply can be edited and operated in the split screen simultaneously and independently of all other devices. Each unit can be moved to any position on the large 8-inch multi-touch display.

## Devices for high voltages and currents

The new power DC control supply devices contain high-quality AC/DC converters. The compact design enables complete integration into the modern EL6.1 control centre. Compact stand-alone units with up to 1,500 watts of power can thus be offered. Integrated fans ensure permanently high performance in this power class.

These power supplies are ideal for applications in all industrial laboratories and training facilities with high power requirements. They have all approvals and EMC tests. Voltage ranges up to 400 V and current ranges up to 125 A are possible. High efficiency ensures high reliability and long life.

## Encapsulated assembly

The encapsulated power modules of the power supply units are also characterised by the fact that they can be integrated into the control centre in the 800 W and 1,500 W sizes.

Only the 3,000 W power modules must be integrated outside the control centre into the device cockpit, in the table superstructure or in the TechCube below the table surface.

**Power output modules of the Power DC control supply devices:** Can be integrated in the control centre (800 W and 1,500 W models) or in the 6U TechCube or 19-inch unit cockpit (3,000 W models)



## Technical data and features

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### Ramp function editable on the 8-inch display

Convenient input of the ramp parameters on the display. Input of U and I ramps.

### Constant voltage and constant current source

Automatic changeover between CV and CC operating modes. *elneos six* serves on the one hand as a voltage source and on the other as a current source.

### Ripple

- 60 to 300 mVp depending on model (800 /1500 W)
- 750 to 2000 mVp depending on model (3000 W)

### Power classes

800, 1,500 and 3,000 watts. From 15 V to 400 V output voltage and 7 A to 125 A output current.

### Preset function (Output-OFF/ON)

Function for switching the output off or on. If the output is deactivated, the maximum current can be changed. The new maximum current value only becomes active after the output is switched on.

The circuit no longer has to be manually disconnected from the power supply unit.

### Readout of all unit statuses

All unit statuses can be read out via interfaces. The states are displayed in the *highlink Power* control software. This can also be used in test systems. The service life is increased and the environment is not affected. In this way, several functions and devices are integrated in a very small space.