

Features



Voltage, current and over-voltage protection (OVP) continuously adjustable from 0 to full output via

- Front panel controls (ten turn)
- Remote programming (0-10V)
- Analogue and RS232 (incl. by default)
- Plug in IEEE-488-Interface (optional)
- Customized solution

- **1000W Output**
- High efficiency
- High power switch mode AC to DC power supplies
- Constant Current Mode / Constant Voltage Mode with automatic crossover
- Monitor for voltage and current (0-10V) for 0 to full output
- Remote sensing
- Short circuit protection
- Softstart, Transient protection
- Remote ON/OFF (standby)
- Series or parallel operation, master slave operation
- Thermal protection, derating
- Compact 19" rack, 2 U

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Voltage (V _{DC})	0-8	0-15	0-20	0-30	0-40	0-60	0-100	0-160	0-200	0-250	0-300	0-350	0-500	0-1000	0-1200
Current (A _{DC})	0-125	0-70	0-50	0-35	0-25	0-18,5	0-10	0-6,5	0-5	0-4	0-3,5	0-3	0-2	0-1	0-0,8

Specifications

• Constant Voltage Mode (CV)

Voltage output range: ≤ 100mV to full output voltage, 10 turn potentiometer

Line regulation: 0,01% (± 10% line change)

Load regulation: 0,025%

Regulation time: 10ms load change from 5% to 100% (100mV), 10ms load change from 100% to 5% (100mV), 5ms load change 30% (50mV)

Ripple: ≤ 30mV_{rms}, 120mV_{pp}

Temperature coefficient: 0,01% V_{max} / °C (0-50°C)

Short circuit protection: Aut. limitation ≤ 100mA..C_{max}.

Overvoltage protection: 0-120% V_{max}, contin. adjustable

Remote sensing: Max. line drop 1V or 1% of V_{max} / output line. Remote Sensing only integrated to 500V output range

• Constant Current Mode (CC)

Current output range: ≤ 100mA to full output current, 10 turn potentiometer

Line regulation: 0,01% (± 10% line change)

Load regulation: 0,1% (100% load change)

Temperature coefficient: 0,01% C_{max} / °C (0-50°C)

Output:

Floating, insulated until 500V_{DC} at V_{max} ≤ 350V, above insulated more than 1,5V_{max}.

Input voltage:

230V_{AC} ± 10%, 47..65Hz

115V_{AC} ± 10% (Option)

Input current: appr. 7A at 230V, soft start

Other details

Design principle: Switch mode power converter

Remote: Remote ON/OFF-control input 5-15V

Programming: 0-10V for voltage and current, 0-12V OVP, resistance programming possible

Storage temperature: -20..+70°C

Operating temperature: 0..+50°C, without derating

Metering: Analog meters for voltage and current, meters accuracy ± 2,5%

Cooling: fan 2-steps, temperature controlled speed

Mechanical: H x W x D: 88 x 443 x 378 (mm), without frontpanel components, with connectors an back panel

Wight: appr. 14,5 kg

Options

- Opt. 07** 15V_{AC} Input voltage
- Opt. 34** IEEE-488 Listener-Talker-Interface
- Opt. 51** Analog meters (less price)
- Opt. 99** Front panel 19" brackets
- Opt.** USB, LAN(TCP/IP) or customer solution

Back view

