



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

- Front panel controls (ten turn)
- Remote programmable (0-10V)
- Plug in IEEE-488/RS232-Interface (optional)

Features

- **2500W Output**
- High efficiency
- High power switch mode AC to DC power supplies
- Constant Current / Constant Voltage operation 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, 3 U

Call us for a customer requested solutions

Voltage (V_{DC})	0-20	0-30	0-40	0-60	0-100	0-250	0-350	0-450	0-600	0-800
Current (A_{DC})	0-125	0-83	0-63	0-42	0-25	0-10	0-7	0-5,5	0-4	0-3

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: 20ms load change from 5% to 100% (100mV), 20ms load change from 100% to 5% (100mV), 10ms load change 30% (50mV)
Ripple: ≤ 30mV_{rms}, 150mV_{pp}, for U_A > 500V ± 0,05% U_A
Temperature coefficient: 0,01% V_{max}./°C (0-50°C)
Remote sensing: Max. line drop 1V or 1% of V_{max}./ output line

- **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% / 3 phase (Option)

Input current: appr. 18A at 230V and full load 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..+40°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: 132 x 443 x 480 (mm), without frontpanel components, with connectors at back panel
Wight: appr.32 kg

Options

- Opt. 07** 3 x 200V_{AC} Input voltage
- Opt. 34** IEEE-488/RS232 Listener-Talker-Interface
- Opt. 50** Digital meters LEDs 4 digit
- Opt. 51** Analog meters

