



The ARGOS-Autoranging power supplies are modifications of standard devices. The range crossing goes continuously. Accuracy of adjustment and monitoring correspond to devices with nominal voltage  $V_2$  and with nominal current  $C_1$ . Voltage relations of  $V_2:V_1$  or current relations of  $C_1:C_2$  are possible until 1:3. Series or parallel operation, master slave operation is possible.

- Customer requested solutions for different voltage/current configuration avail.
- RS232 incl. by default

V1-Out ( $V_{DC}$ )	20	30	50	100	200	500
C1-Out ( $A_{DC}$ )	40	26	16	8	4	2
V2-Out ( $V_{DC}$ )	40	60	100	200	400	1000
C2-Out ( $A_{DC}$ )	20	13	8	4	2	1

At 1000V-devices no serial operation. Remote Sensing only integrated to 500V output range

## Specifications

### • Constant Voltage Mode (CV)

**Voltage output range:**  $\leq 100mV$  to full output voltage, 10 turn potentiometer

**Line regulation:** 0,01% ( $\pm 10\%$  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:**  $\leq 30mV_{rms}$ ,  $120mV_{pp}$

**Temperature coefficient:** 0,01%  $V_{max.}/^{\circ}C$  (0-50 $^{\circ}C$ )

**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:**  $\leq 100mA$  to full output current, 10 turn potentiometer

**Line regulation:** 0,01% ( $\pm 10\%$  line change)

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

**Temperature coefficient:** 0,01%  $C_{max.}/^{\circ}C$  (0-50 $^{\circ}C$ )

**Output:** Floating, insulated until 500V $_{DC}$  at  $V_{max.} \leq 350V$ , above insulated more than 1,5 $V_{max.}$

**Input voltage:**

230V $_{AC} \pm 10\%$ , 47..65Hz

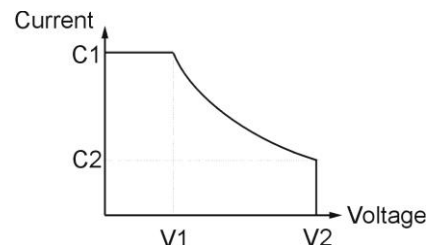
115V $_{AC} \pm 10\%$  (Option)

**Input current:** appr. 7A at 230V,

soft start

## Features

- Power output in according to nominal values
- High efficiency
- High power switch mode AC to DC power supplies
- Constant Current / Constant Voltage operation with automatic crossover
- Voltage, current, OVP (over-voltage protection) continuously adjustable from nearly 0 to maximum via
  - Front panel controls (ten turn)
  - Remote programming (0-10V, 0-12V OVP)
  - Plug in IEEE-488-Interface (optional)
- Monitor for voltage and current (0-10V) for 0 to full output
- Remote Sensing
- Short circuit protection, transient protection
- Remote ON/OFF (standby)
- Thermal protection, derating
- Compact 19" rack, 2U



## Other details

**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 $^{\circ}C$

**Operating temperature:** 0..+40 $^{\circ}C$ , without derating

**Metering:** Analog meters for voltage and current, meters accuracy  $\pm 2,5\%$

**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** 115V $_{AC}$  Input voltage

**Opt. 34** IEEE-488 Listener-Talker-Interface

**Opt. 51** Analog meters (less price)

**Opt. 99** Front panel 19" brackets

Back view

