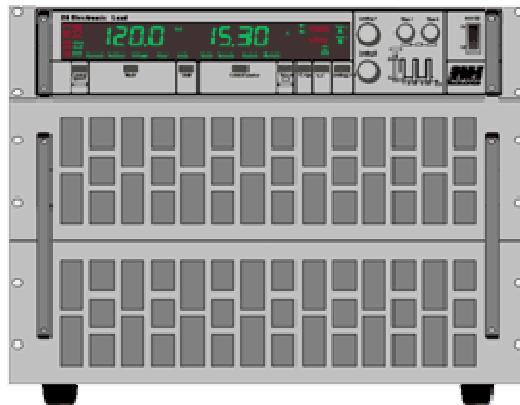


## DATASHEET 1306-7044

### Operating Modes Setting

Current:	Voltage:	Resistance:	Power:
0 ... 25 A	0 ... 440 V	0.4 Ω ... 800 Ω	0 ... 7000 W



### Accuracy of Settings\*:

Current:	$\pm 0.5\%$ of setting $\pm 0.3\%$ of range
Resistance:	$\pm 1.5\%$ of setting $\pm 0.5\%$ of range

### Presetting Accuracy\*:

$\pm 0.4\%$  of setting  
plus accuracy of respective mode

### Power:

Nominal power:	up to $T_A = 21\text{ °C}$
Derating:	$-1.2\% / \text{°C}$ for $T_A > 21\text{ °C}$

### Frequency Range:

DC, 40Hz ... 700Hz

### Harmonic Distortion\*:

50Hz / 60Hz:	<b>&lt;1% at nominal current</b>
Higher frequencies:	>1%

### Input Capacitance:

ca.  $1.5\mu\text{F}/1400\text{W}$

### Operating Temperature:

$5\text{ °C} \dots 40\text{ °C}$

### Analog Programming:

0 ... 3.5V/0 ... 7V	<b>for current setting 0 ... 100%</b>
Accuracy*:	$\pm 0.5\%$ of setting $\pm 0.3\%$ of range
Input Resistance:	>10kΩ
GND:	<b>isolated from the load input (max. <math>\pm 500\text{V}</math>)</b>

### Analog Monitor Outputs:

Current, Voltage:	<b>0 ... 7V</b>
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Accuracy*:	<b>±0.5% ±15mV</b>
Power:	<b>0 ... 5V</b>
Accuracy*:	<b>±2% ±30mV</b>
GND:	<b>isolated from the load input (max. ±500V)</b>
Loading Capacity:	<b>min. 2kΩ</b>

<b>External Control:</b>	<ul style="list-style-type: none"> <li>• Load switching</li> <li>• Trigger input and output</li> <li>• Emergency shutdown</li> </ul>
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<b>Protection Equipment:</b>	<ul style="list-style-type: none"> <li>• Current and power limitation</li> <li>• Over-voltage protection up to 120% of rated voltage</li> <li>• Over-temperature deactivation</li> <li>• Transient protection</li> </ul>
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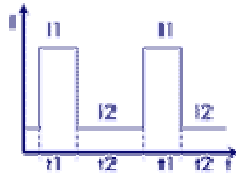
**Minimum Voltage:**

260V-Devices: **Full current from ca. 3V**

440V-Devices: **Full current from ca. 5V**

**Modulator for AC & DC:**

Pulse t1: 100µs ... 1s  
Pulse t2: 100µs ... 1s  
(in two ranges)



Accuracy: **±1% of setting  
±0.5% of end value**

Load level: **each 0 ... 100%**

**Programming** (for interface options):

Settings: **16 Bit resolution**

Accuracy: **see accuracy of settings**

Measurements: **18 Bit resolution**

Accuracy\*I: **±0.5% of m.v., ±0.05% of range**

Accuracy\*V: **±0.5% of m.v., ±0.05% of range**

Measuring rate: **ca. 3 measurements/s**

**Parallel Operation:** **up to 3 devices in master-slave operation (hardware-controlled)**

**Cooling:** **infinitely variable controlled fans**

**Noise max. <sup>1)</sup>:** **74 db(A)**

**Dimenson, Weight:** **19"-8 HU, 59 kg**

**Mains Supply:** 115/230V±10%, 50...60Hz

**Power Consumption:** 560 VA

**Colour:**

Front panel: **RAL7032 (pebble grey)**

Sides, lid: **RAL7037 (stone grey)**

**Electric Safety:** DIN EN 61010-1

**EMC, CE Mark:** DIN EN 61010: 2002-08  
DIN EN 61326-1: 2006-10  
DIN EN 61000-3-2: 2006-10  
DIN EN 61000-3-3: 2006-06

*\* The accuracy data are referred to input frequency 50/60Hz.  
At higher frequencies the accuracy will be worse.*

*1) measured at the front panel at 1m distance*