

# ZUP SERIES

Laboratory AC/DC Supplies: 200 - 800 Watts



## Features

- Universal input 85~264VAC with PFC
- Input current harmonics to EN61000-3-2
- Constant voltage/constant current operation
- Built-in RS232 and RS485 interface
- GPIB programming option
- External voltage or resistance programming
- Parallel operation (master/slave)
- Last setting memory with safe restart or automatic restart options
- CE marked for LVD and EMC regulation

MODEL	Output		Power W
	V	A	
ZUP6 - 33	0~6V	0~33A	200W
ZUP6 - 66	0~6V	0~66A	400W
ZUP6 - 132	0~6V	0~132A	800W
ZUP10 - 20	0~10V	0~20A	200W
ZUP10 - 40	0~10V	0~40A	400W
ZUP10 - 80	0~10V	0~80A	800W
ZUP20 - 10	0~20V	0~10A	200W
ZUP20 - 20	0~20V	0~20A	400W
ZUP20 - 40	0~20V	0~40A	800W
ZUP36 - 6	0~36V	0~6A	200W
ZUP36 - 12	0~36V	0~12A	400W
ZUP36 - 24	0~36V	0~24A	800W
ZUP60 - 3.5	0~60V	0~3.5A	200W
ZUP60 - 7	0~60V	0~7A	400W
ZUP60 - 14	0~60V	0~14A	800W
ZUP80 - 2.5	0~80V	0~2.5A	200W
ZUP80 - 5	0~80V	0~5A	400W
ZUP120 - 1.8	0~120V	0~1.8A	216W
ZUP120 - 3.6	0~120V	0~3.6A	432W

## Specifications

<b>INPUT VOLTAGE:</b>	85 ~ 264VAC
<b>FREQUENCY:</b>	47 ~ 63Hz
<b>INPUT CURRENT (@230VAC):</b>	ZUP200W: 1.5A ZUP400W: 2.7A ZUP800W: 5.4A
<b>INPUT HARMONICS:</b>	Complies with EN61000-3-2
<b>POWER FACTOR:</b>	Corrected @ 0.99
<b>EFFICIENCY:</b>	Model dependent: 68~84%
<b>LOAD REGULATION:</b>	0.01% +3mV (CV) 0.02% +5mA (CC)
<b>LINE REGULATION:</b>	0.01% +2mV (CV) 0.01% +2mA (CC)
<b>RIPPLE:</b>	5mV rms (CV) 7.5-100mA (CC)
<b>PROTECTION:</b>	<ul style="list-style-type: none"> <li>• Over voltage</li> <li>• Over temperature</li> <li>• Over current foldback</li> </ul>
<b>OPERATING TEMP:</b>	0°C to +50°C @ 100% load
<b>HUMIDITY:</b>	30~90% RH non-condensing
<b>OUTPUT ON/OFF:</b>	By TTL signal or voltage free contacts
<b>VOLTAGE PROGRAMMING:</b>	By voltage (0~4V). By resistance (0~5Kohm)
<b>CURRENT PROGRAMMING:</b>	By voltage (0~4V). By resistance (0~5Kohm)
<b>REMOTE SENSING:</b>	Yes, maximum 0.5V drop compensation
<b>COMMUNICATION INTERFACE:</b>	RS232 and RS485 built-in. IEEE488 - option
<b>DISPLAY:</b>	Voltage meter and current meter
<b>LED STATUS:</b>	<ul style="list-style-type: none"> <li>• CC/CV</li> <li>• Alarm</li> <li>• Foldback</li> <li>• Local/remote</li> <li>• On/Off</li> </ul>
<b>SAFETY:</b>	Approvals to UL3111-1, EN61010-1
<b>EMC:</b>	EN61326, IEC61326
<b>DIMENSIONS:</b>	200/400W: 70 x 124 x 350mm 800W: 140 x 124 x 350mm
<b>WEIGHT:</b>	200W: 2.9Kg. 400W: 3.2Kg. 800W: 5.8Kg.

Instruction Manual is available from our website:  
Application Notes: ZUP Series





## Options

200 W / 400 W / 800 W models



### 1. Front Panel Output Jacks

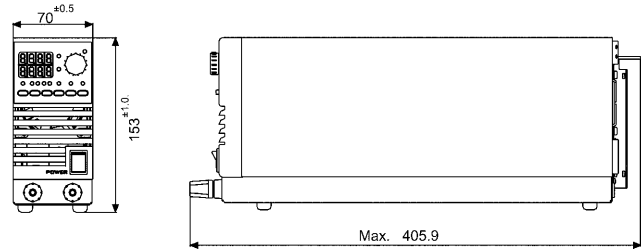
Up to 20 A output current via front panel jacks, only for models up to 60 V output voltage.

Outline Drawing: Physical Dimensions in mm.

ZUP 200 W/400 W Units: 70 x 153 x 405.9

ZUP 800 W Units: 140 x 153 x 405.9

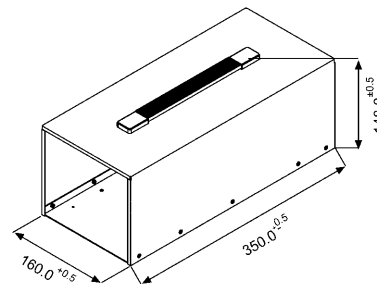
P/N: ZUP / L



### 2. ZUP Assemblies

Dual Output Packing 200 W/400 W models

P/N: NL200



### 3. 19" Rack mounted and OEM up to 2.4 kW

Up to six power units can be assembled into a 19, 3 U rack, kit.

P/N NL100

In cases where the entire rack is not occupied with power units, NL101 blank panels can be installed. P/N: NL100

