



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

Specifications

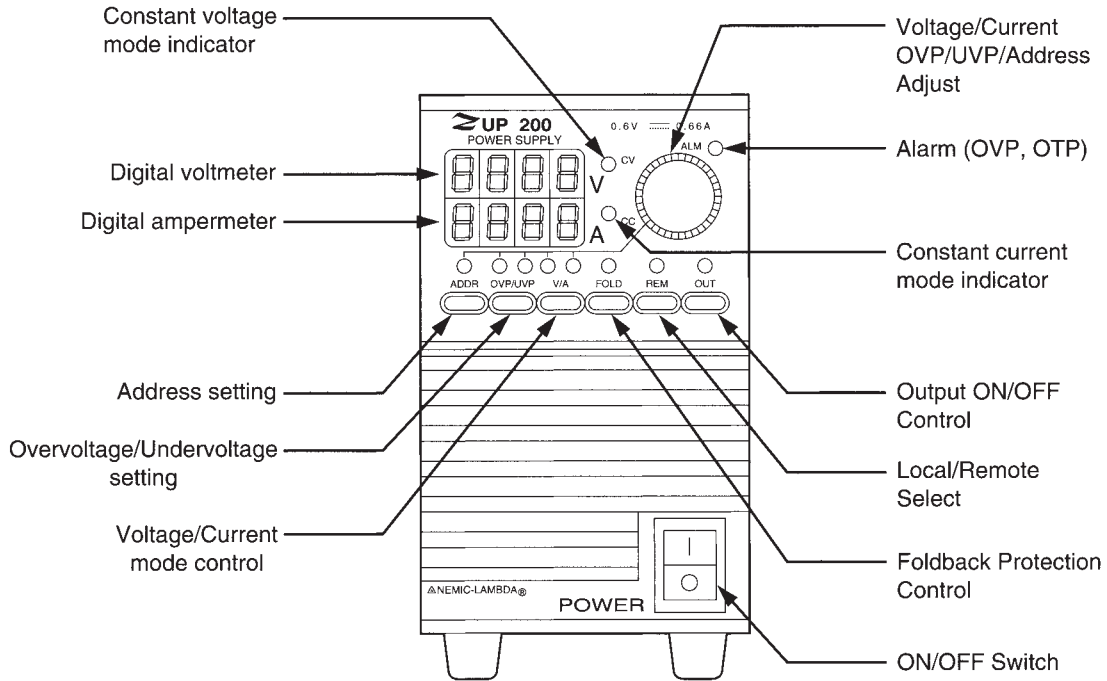
INPUT VOLTAGE:	85 ~ 264VAC
FREQUENCY:	47 ~ 63Hz
INPUT CURRENT (@230VAC):	ZUP200W: 1.5A ZUP400W: 2.7A ZUP800W: 5.4A
INPUT HARMONICS:	Complies with EN61000-3-2
POWER FACTOR:	Corrected @ 0.99
EFFICIENCY:	Model dependent: 68~84%
LOAD REGULATION:	0.01% +3mV (CV) 0.02% +5mA (CC)
LINE REGULATION:	0.01% +2mV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

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

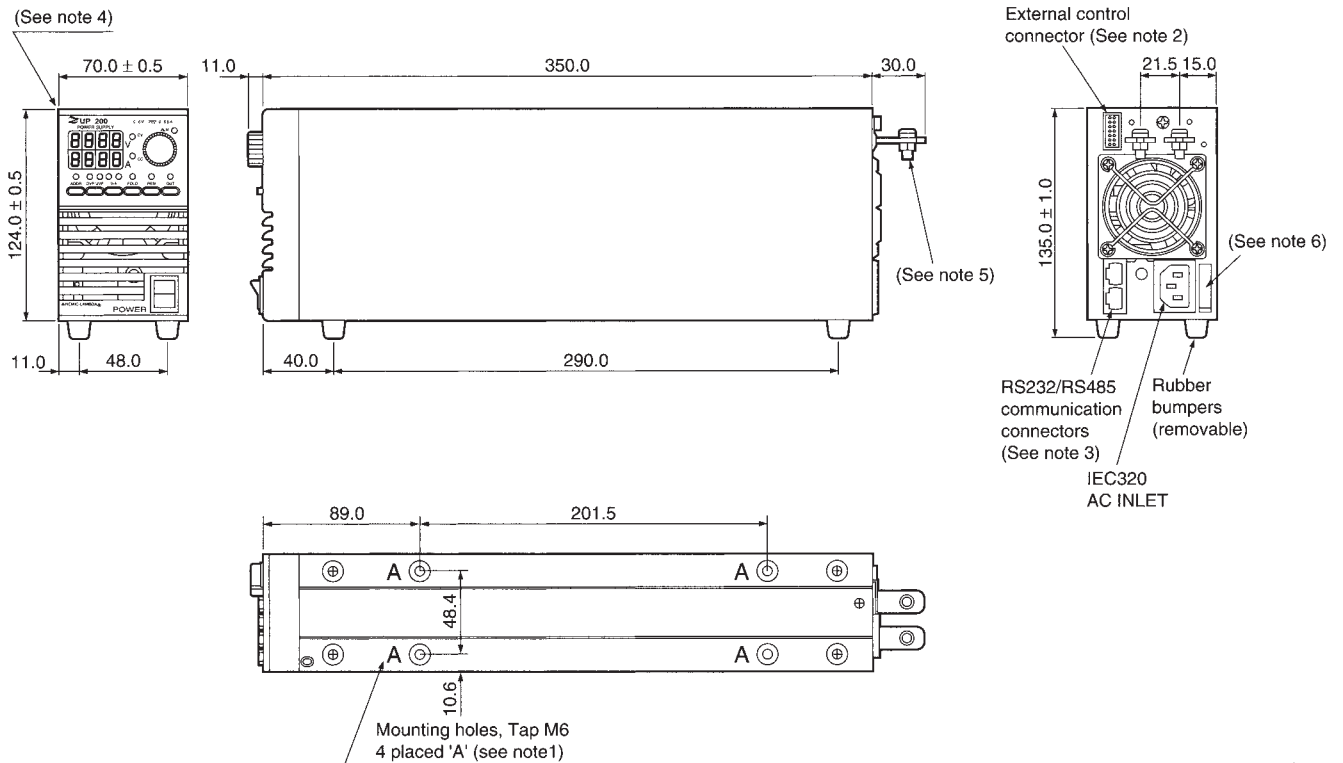
Instruction Manual is available from our website:
Application Notes: ZUP Series



FRONT PANEL



OUTLINE DRAWING (200 - 400W)



(Unit: mm)

Notes:

- Mounting screws must not protrude into the power supply more than 6mm.
 - External control connector
Connector: AMP, P/N 102617-5
Receptacle: AMP, P/N 87631-9
Receptacle contacts: AMP, P/N 87523-5(strip form)
P/N 87523-6(loose piece)
 - RS232/RS485 communication
EIA/EIA-568A, shielded, 8 contacts connectors
 - Model name and output rating are shown here according to the specifications.
 - M6 or M4 screws for load wires connection.
 - Input voltage and current rating are shown here according to the specifications.
- Wire AWG: 24 to 20
Hand tool for wires connection: AMP, P/N: 90202-2

ZUP CASE OPTIONS

AC/DC DC UPS Units , Din rail Mount 12V , 24V , 48V , 36W to 240W



Options

200 W / 400 W / 800 W models



1. Front Panel Output Jacks

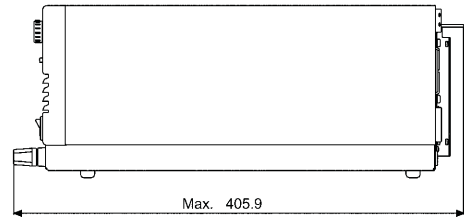
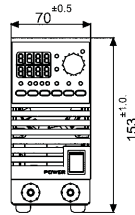
Up to 20 A output current via front panel jacks, only for models up to 60 V output voltage.

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

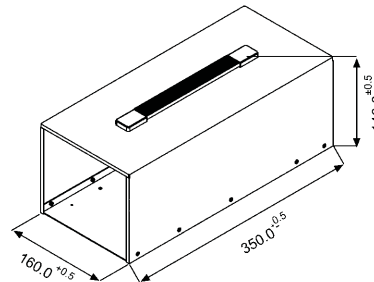
P/N: ZUP / L



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

