# PS-ELV & PDB-ELV

**GVA LIGHTING**

**Extra Low Voltage Power and Data Supply Units**

| DATE: | |
|---|---|
| TYPE: | |
| COMPANY: | |
| PROJECT: | |

### IP66 (Outdoor)
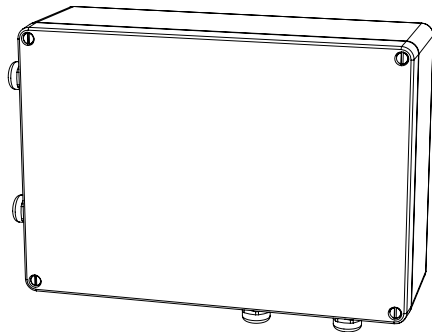


Correct orientation for mounting to a vertical surface. (outputs facing down)

### IP30 (Indoor)
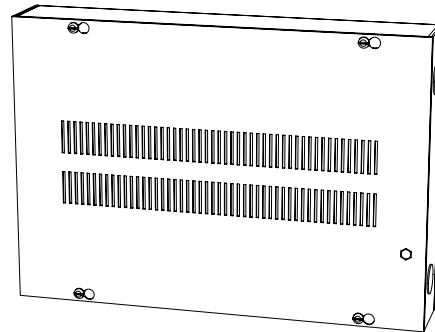


Correct orientation for mounting to a vertical surface. (outputs facing down)

### 60-320W Version



230mm 9.1in
330mm 13in
111mm 4.4in

### 480-640W Version



313mm 12.3in
404mm 15.9in
111mm 4.4in

### 60-320W Version



225mm 8.9in
323mm 12.7in
53mm 2.1in

### 480-640W Version



315mm 12.4in
395mm 15.5in
53mm 2.1in
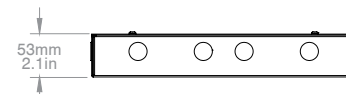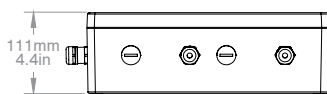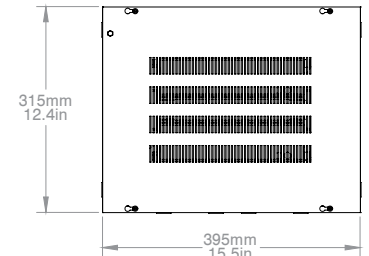
## FEATURES:

- Extra Low Voltage for safe operation
- Designed for GVA Lighting ELV products
- Universal input 120~277VAC
- Up to 4 x VDC outputs from PS units
- Up to 2 x VDC outputs from PDB units
- Combined VDC and control data output for PDB units
- Convenient wiring terminals for easy connections
- Knock-outs provided for conduit connection on indoor units
- M20 threaded cable glands supplied with outdoor units
- Data converter built-in to PDB units to accept and output various control signals
- 3 Year Limited Warranty

## OPTIONS:

- Power Supply only (PS) or Power and Data Supply (PDB)
- 12, 24, 48 or 60VDC
- 60, 100, 240, 320, 480 or 640W
- DMX, DALI, 0~10V or Push Button Control Input
- ZH, DMX, DIM, or PWR control output
- IP30 rated indoor enclosure or IP66 rated outdoor enclosure

GVA Lighting, Inc. 3400 Ridgeway Drive, #14 Mississauga, Ontario L5L 0A2
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# PS-ELV & PDB-ELV

**Extra Low Voltage Power and Data Supply Units**

## SPECIFICATION LOGIC: PS-ELV
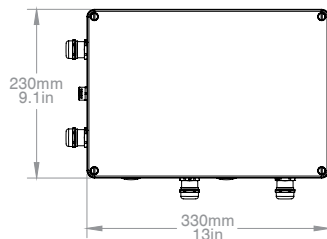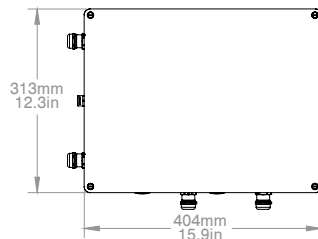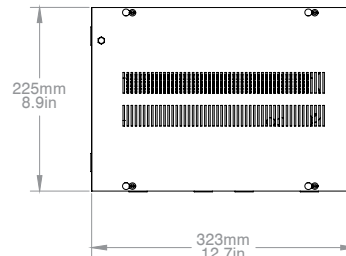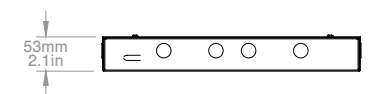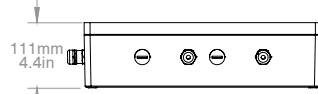
| FAMILY | OUTPUT VOLTAGE | POWER (Watts) | INPUT VOLTAGE | CONSTRUCTION |
|---|---|---|---|---|
| PS | ELV12 - only 60W<br>ELV24 - Max. 320W<br>ELV48 - Min. 240W<br>ELV60 - Min. 480W | 60<br>100<br>240<br>320<br>480<br>640 | 120~277VAC | IP30 - Indoor<br>IP66 - Indoor/Outdoor |
| | | **PRODUCT CONFIGURATION** | | |
| | | | | |

## SPECIFICATION LOGIC: PDB-ELV

| FAMILY | OUTPUT VOLTAGE | POWER (Watts) | CONTROL INPUT | OUTPUT | INPUT VOLTAGE | CONSTRUCTION |
|---|---|---|---|---|---|---|
| PDB | ELV12 - only 60W<br>ELV24 - Max. 320W<br>ELV48 - Min. 240W<br>ELV60 - Min. 480W | 60<br>100<br>240<br>320<br>480<br>640 | 0~10V<br>DALI<br>DMX<br>PB[1] - Push Button | ELV+ZH-1 - 1 x ELV Power & ZH Data Output<br>ELV+ZH-2 - 2 x ELV Power & ZH Data Outputs<br>ELV+DMX-1 - 1 x ELV Power & DMX Data Output<br>ELV+DIM-1 - 1 x ELV Power & DIM Data Output (3-wire)<br>PWR-1 - 1 x Dimmed ELV Power Output (2 wire)<br>PWR-2 - 2 x Dimmed ELV Power Outputs (2 wire each) | 120~277VAC | IP30 - Indoor<br>IP66 - Indoor/Outdoor |
| | | | | **PRODUCT CONFIGURATION** | | |
| | | | | | | |

1 - ELV+DMX-1, ELV+DIM-1 and PWR-1 output options only

## TYPICAL SYSTEM DIAGRAM: PS-ELV & PDB-ELV



LINE VOLTAGE

JUNCTION BOX (supplied by others)

IP66 PS-ELV / PDB-ELV

AC OUTPUT (to next PS or PDB, optional, supplied by others)

DATA OUTPUT (to next PDB, optional, supplied by others)

DATA INPUT CABLE (for PDB only, supplied by others)

4 x VDC OUTPUT or 2 x VDC & DATA OUTPUT (M20 threaded holes, glands & plugs provided as required)



LINE VOLTAGE

JUNCTION BOX (supplied by others)

IP30 PS-ELV / PDB-ELV

AC OUTPUT (to next PS or PDB, optional, supplied by others)

DATA OUTPUT (to next PDB, optional, supplied by others)

DATA INPUT CABLE (for PDB only, supplied by others)

4 x VDC OUTPUT or 2 x VDC & DATA OUTPUT (1/2" knockouts, typical)

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