FYGD-P Series
CATV Power Supply

- High performance toroidal transformer
- Input and output protection, lightning surge protection
- Current limited output and short-circuit protection
- Automatic restart upon removal of short
- Field selectable output voltage*
- Powder coated enclosure for outdoor applications
- Pole and wall mounting installations
- 5/8" female output connections
- Durable LED indicators
- Embedded Power Inserter (EPI)

* This feature is only available on certain models.
# FYGD-P Series CATV Power Supply

## Nominal Specifications

<table>
<thead>
<tr>
<th>Model¹</th>
<th>Input voltage (VAC)²</th>
<th>Input frequency (Hz)</th>
<th>Input fuse protection (A)</th>
<th>Output voltage (VAC)</th>
<th>Output current (A)</th>
<th>Output power (VA)</th>
<th>Net Weight (kg/lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FYGD-P60-6A-L</td>
<td>120 or 220</td>
<td>60</td>
<td>8</td>
<td>60</td>
<td>6</td>
<td>360</td>
<td>5.5/12.1</td>
</tr>
<tr>
<td>FYGD-P60-6A-W</td>
<td>220</td>
<td>50</td>
<td>8</td>
<td>60</td>
<td>6</td>
<td>360</td>
<td>5.5/12.1</td>
</tr>
<tr>
<td>FYGD-P90-6A-L</td>
<td>120 or 220</td>
<td>60</td>
<td>8</td>
<td>90</td>
<td>8</td>
<td>540</td>
<td>7/15.4</td>
</tr>
<tr>
<td>FYGD-P60-8A-L</td>
<td>120 or 220</td>
<td>60</td>
<td>8</td>
<td>60</td>
<td>8</td>
<td>480</td>
<td>6/13.2</td>
</tr>
<tr>
<td>FYGD-P60-8A-W</td>
<td>220</td>
<td>50</td>
<td>8</td>
<td>60</td>
<td>10</td>
<td>480</td>
<td>6/13.2</td>
</tr>
<tr>
<td>FYGD-P60-10A-W</td>
<td>220</td>
<td>50</td>
<td>8</td>
<td>60/90³</td>
<td>6.6/10</td>
<td>600</td>
<td>7.2/15.9</td>
</tr>
<tr>
<td>FYGD-P6090-10A-W</td>
<td>220</td>
<td>50</td>
<td>8</td>
<td>60/90³</td>
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<td>600</td>
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</tr>
</tbody>
</table>

1. Please see Ordering Information in next page for details about the model definition.
2. Input voltages of 100VAC 60Hz, 110VAC 60Hz, 115VAC 60Hz, 120VAC 60Hz, 220VAC 60Hz, 230VAC 50Hz and 240VAC 50Hz are available also. Please contact us directly for details.
3. Output voltage of the model is field selectable.
4. Both input voltage and output voltage can be customized. Please contact us for details.
5. 

## General Specifications

### Input
- Voltage range: ±15%
- Power factor: >0.90 at full load

### Output
- Waveform: Sine wave
- Protection: Current limited
- Efficiency: ≥85%

### Embedded Power Inserter
- Bandwidth: 860MHz
- Flatness: ± 0.5dB
- Insertion loss: 1.5dB (860MHz)
- Return loss: 16dB

### Mechanical
- Output connections: 5/8" female
- Finish: Powder coated
- Material: Cold rolled steel plate
- Dimensions (WHD): 187x250x172mm / 7.36x9.84x6.77in

### Environmental
- Operating temperature: -40°C to 55°C / -40°F to 131°F
- Operating humidity: 0 to 95% non-condensing

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### Pole & Wall Mount Enclosure

The enclosure is built of durable, weather-resistance, powder coated steel plate for outdoor applications, withstanding the hardest environments.

With installation kit offered as standard feature, the unit can be easily mounted on a flat and vertical surface or on a wooden / concrete pole.
**FYGD-P Series CATV Power Supply**

**Ordering Information / Model Definition**

- **Input voltage (value other than 220VAC only)**
  - 100: 100VAC
  - 110: 110VAC
  - 120: 120VAC
  - 220: 220VAC (practically omitted)
  - 240: 240VAC

- **Operating frequency**
  - W: 50Hz
  - L: 60Hz

- **Output current**
  - 8: 8amp
  - 10: 10amp
  - 12: 12amp
  - 15: 15amp

- **Output voltage**
  - 60: 60VAC
  - 90: 60VAC
  - 6090: 60/90VAC, user-selectable, first two figures are default output voltage.
  - 6090: 60/90VAC, user-selectable, first two figures are default output voltage.

- **Design code of non-standby power supply**
  - C: ferro resonant, PWM installation
  - E: EI linear transformer, PWM installation
  - F: toroidal linear transformer, cable mount installation
  - MSC: ferro resonant, PWM installation, Master/Slave Backup Functions.
  - P: toroidal linear transformer, PWM installation (for domestic only)

- **Product code of non-standby power supply**

* Default output voltage is used to verify maximum output power of the unit. Examples: FYGD-C6090-15A-L120, 900VA; FYGD-C9060-15A-L120: 1350VA.

NOTE: Output voltage of the unit is not always set to the default before delivery. Always verify output voltage of the unit before feeding to the loads.