



Size: 9.31in x 5.45in x 2.66in (236.5mm x 138.4mm x 67.5mm)

**FEATURES**

- Input Voltage Range of 170~264VAC (210~370VDC)
- Suitable for Outdoor or Damp Locations
- Built-In EMI Filter
- High Reliability, Low Cost
- Over Load, Short Circuit, and Over Temperature Protection
- IP21 Design
- GB4943, UL60950, and EN60950 Safety Approvals

**DESCRIPTION**

The PSYF350 series of AC/DC power supplies offers 350 watts of output power in a 9.31" x 5.45" x 2.66" enclosed case. This series consists of single output models with a wide input voltage range of 170~264VAC and built-in EMI filter. Each model in this series is suitable for outdoor or damp locations, has IP21 design, and has over load, short circuit, and over temperature protection. This series has GB4943, UL60950, and EN60905 safety approvals. Please contact factory for ordering information.

**MODEL SELECTION TABLE**

| Model Number | Input Voltage Range        | Output Voltage | Output Current | Ripple & Noise | Efficiency | Output Power |
|--------------|----------------------------|----------------|----------------|----------------|------------|--------------|
| PSYF350-12S  | 170~264VAC<br>(210~370VDC) | 12V            | 29A            | 120mV          | 82%        | 350 Watts    |
| PSYF350-24S  |                            | 24V            | 14.6A          | 150mV          | 84%        |              |
| PSYF350-36S  |                            | 36V            | 10A            | 200mV          | 85%        |              |
| PSYF350-48S  |                            | 48V            | 7.3A           | 240mV          | 86%        |              |

**SPECIFICATIONS**

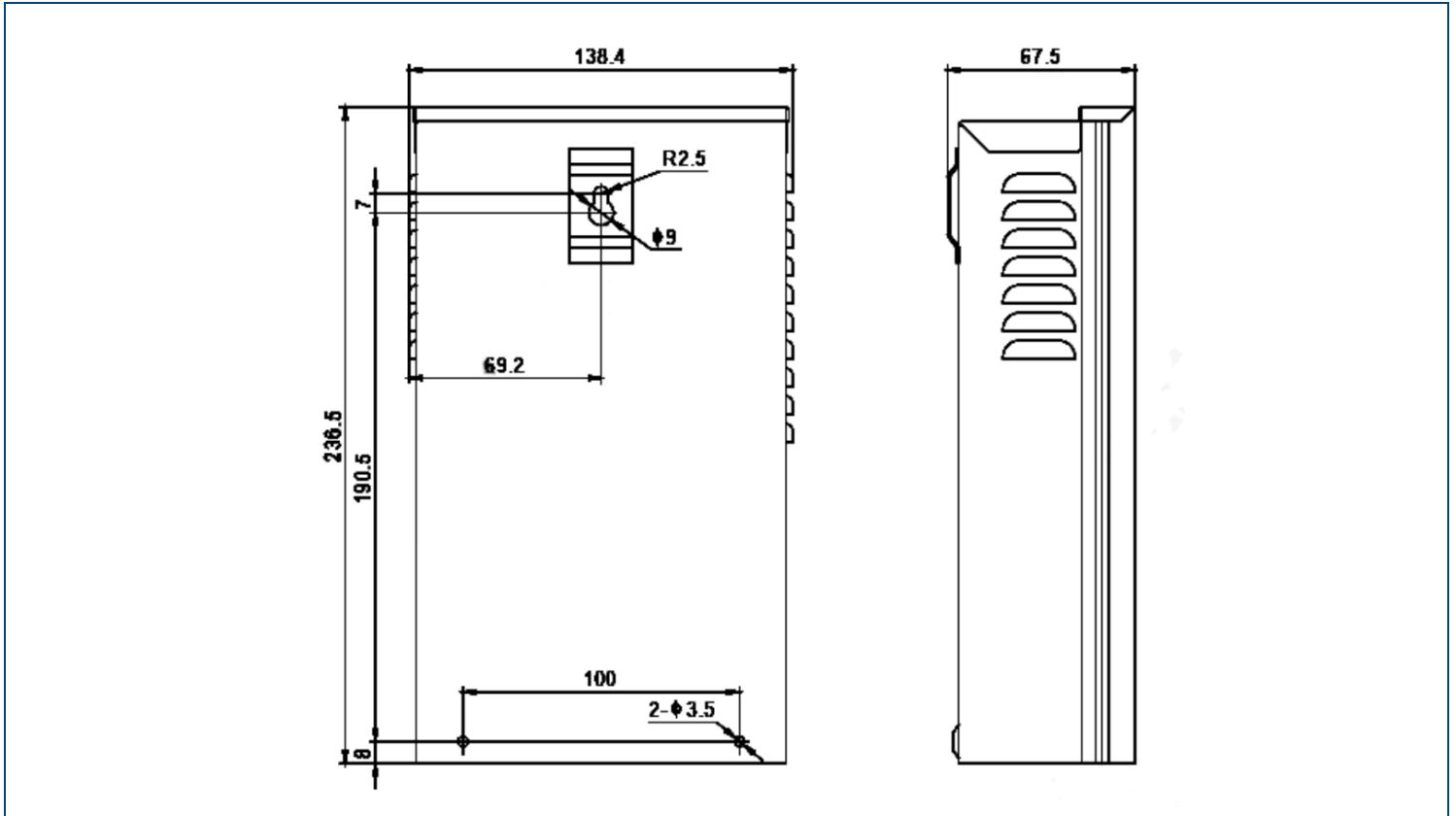
All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.  
 We reserve the right to change specifications based on technological advances.

| SPECIFICATION                       | TEST CONDITIONS                                       | Min   | Typ       | Max | Unit |
|-------------------------------------|---|---|-----------|-----|------|
| <b>INPUT SPECIFICATIONS</b>         |   |   |           |     |      |
| Input Voltage Range                 |   | 170   |           | 264 | VAC  |
|                                     |   | 210   |           | 370 | VDC  |
| Input Current                       |   |   |           | 4   | A    |
| Input Frequency                     |   | 47  |           | 63  | Hz   |
| Inrush Current                      | @230V, Cold Start                                     |   | 60        |     | A    |
| Input Leakage Current               | @230VAC   |   |           | 0.7 | mA   |
| <b>OUTPUT SPECIFICATIONS</b>        |   |   |           |     |      |
| Output Voltage                      |   |   | See Table |     |      |
| Line Regulation                     | Full Load   |   | ±0.5      |     | %    |
| Load Regulation                     |   |   | 0.5       |     | %    |
| Output Power                        |   | See Table   |           |     |      |
| Output Current                      |   | See Table   |           |     |      |
| Ripple & Noise (20MHz bandwidth)    |   | See Table   |           |     |      |
| Voltage Adjustment Range            |   |   | ±10       |     | %    |
| Rise Time                           | @Full Load  |   | 50        |     | mS   |
| Hold Up Time                        | @Full Load  |   | 20        |     | mS   |
| <b>PROTECTION</b>                   |   |   |           |     |      |
| Short Circuit Protection            | Shut Off, Re-Power On to Recover                      |   |           |     |      |
| Over Load Protection                | Shut Off, Re-Power On to Recover                      | 105   |           | 130 | %    |
| Over Temperature Protection         |   |   | Yes       |     |      |
| <b>ENVIRONMENTAL SPECIFICATIONS</b> |   |   |           |     |      |
| Operating Temperature               |   | -20   |           | +50 | °C   |
| Cooling Method                      |   | Fan   |           |     |      |
| <b>GENERAL SPECIFICATIONS</b>       |   |   |           |     |      |
| Efficiency                          |   | See Table   |           |     |      |
| Withstand Voltage                   | Input-Output  | 1.5kVAC/1min  |           |     |      |
|                                     | Input-F/G   | 1.5kVAC/1min  |           |     |      |
|                                     | Output-F/G  | 0.5kVAC/1min  |           |     |      |
| <b>PHYSICAL SPECIFICATIONS</b>      |   |   |           |     |      |
| Weight                              |   | 2.31lbs (1.05kg)                                      |           |     |      |
| Dimensions (L x W x H)              |   | 9.31in x 5.45in x 2.66in (236.5mm x 138.4mm x 67.5mm) |           |     |      |
| Packing                             |   | 16pcs/carton  |           |     |      |
| <b>SAFETY CHARACTERISTICS</b>       |   |   |           |     |      |
| Safety Approvals                    | Design Meets GB4943, UL60950 <sup>(1)</sup> , EN60950 |   |           |     |      |

**NOTES**

1. This product is Listed to applicable standards and requirements by UL.  
 \*Due to advances in technology, specifications subject to change without notice.

## MECHANICAL DRAWINGS



## COMPANY INFORMATION

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001: 2015 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

Contact **Wall Industries** for further information:

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