## FEATURES

1. Input voltage range: 90-264VAC
2. Built-in active PFC function
3. Reinforced insulation, isolation voltage 1500VAC
4. Operating temperature range: -20℃ to +70℃
5. Overload/Over voltage/Over temperature protection
6. Compliant with IEC62368 standard
7. 3 years warranty



RoHS CE 3 years Warranty

## Description

AMRSP-350 is a 350W single output enclosed type AC/DC power supply. This series operates for 90~264VACinput voltage and offers the models with the DC output mostly demanded from the industry. Each modelis cooled by free air convection, working for the temperature up to 70℃.

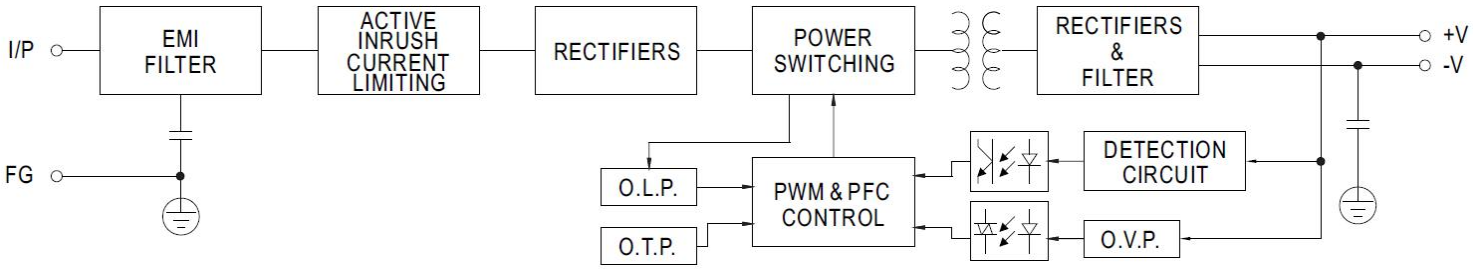
## Selection Guide

| Part No. | Input Voltage Range | Imax（A) | Output Voltage (V) | Output Voltage Adjustment | Noise & Ripple(mV) | Efficiency (%) @Full Load |
|---|---|---|---|---|---|---|
| AMRSP-350-12 | 90-264 VAC 135-370VDC | 29 | 12 | ±10% | 150 | 91 |
| AMRSP-350-24 | | 14.5 | 24 | ±10% | 200 | 92.5 |
| AMRSP-350-36 | | 10 | 36 | ±10% | 220 | 93 |
| AMRSP-350-48 | | 7.3 | 48 | ±10% | 240 | 94 |

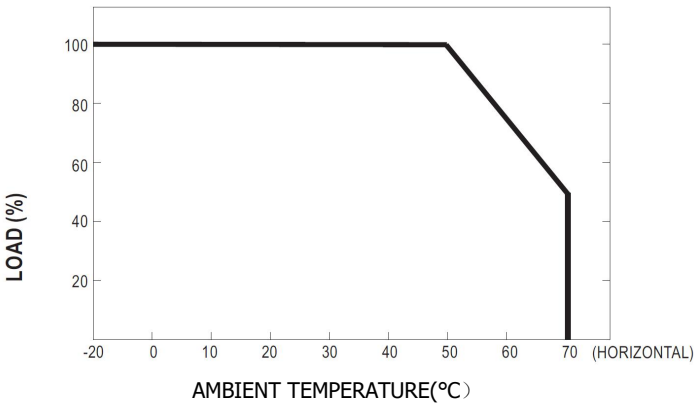
# Specifications

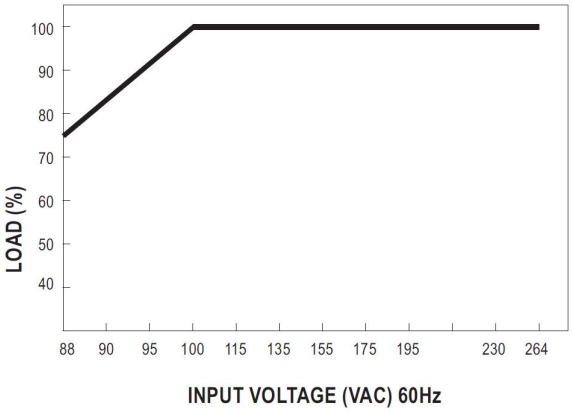
| Item | Operating Conditions | Min. | Typ. | Max. | Unit |
|---|---|---|---|---|---|
| Input Voltage Range | | 90 | -- | 264 | VAC |
| Frequency Range | | 47 | -- | 63 | Hz |
| Effciency | | 91 | -- | 94 | % |
| Power factor | PF≥0.99/115VAC,PF≥0.95/230VAC at full load | | | | |
| Impact current | Cold start current 40A/230VAC | | | | |
| AC input current | 4.0A/115V 2.0A/230VAC | | | | |
| Leakage current | <1mA / 240VAC | | | | |
| DC output voltage | | 12 | -- | 48 | V |
| Current Range | | 0 | -- | 26.7 | A |
| Line Regulation | | -- | ±0.5 | -- | % |
| Load Regulation | | -- | ±0.5 | ±1.0 | % |
| Ripple & Noise | 20MHz bandwidth | -- | 150 | 240 | mVp-p |
| Setup,rise time | 800ms,50ms,16ms/230VAC at full load | | | | |
| Over-Voltage Protection | 115%~135%,Hiccup mode, can automatically restore normal output after removing abnormal conditions | | | | |
| Over-Load Protection | 100%-125% ,Hiccup mode, can automatically restore normal output after removing abnormal conditions | | | | |
| Over-Temperature Protection | Hiccup mode, can automatically recover after the temperature returns to normal | 75 | -- | 95 | ℃ |
| Isolation Voltage | | 1500 | -- | -- | VAC |
| Insulation resistance | Input-output resistance at 500VDC | 100 | -- | -- | MΩ |
| Operating Temperature | | -20 | -- | +70 | ℃ |
| Operating Humidity | Non-condensing | 20 | -- | 90 | %RH |
| Storage Temperature | | -40 | -- | +85 | %RH |
| Storage Humidity | | 10 | -- | 95 | %RH |
| MTBF | MIL-HDBK-217F@25℃ | 192.9 | -- | -- | K hours |
| Dimension | 215×115×30mm（L*W*H） | | | | |
| Weight | | 800 | -- | -- | g |
| package | 20pcs/carton 17.5kg/carton | | | | |

## Block Diagram

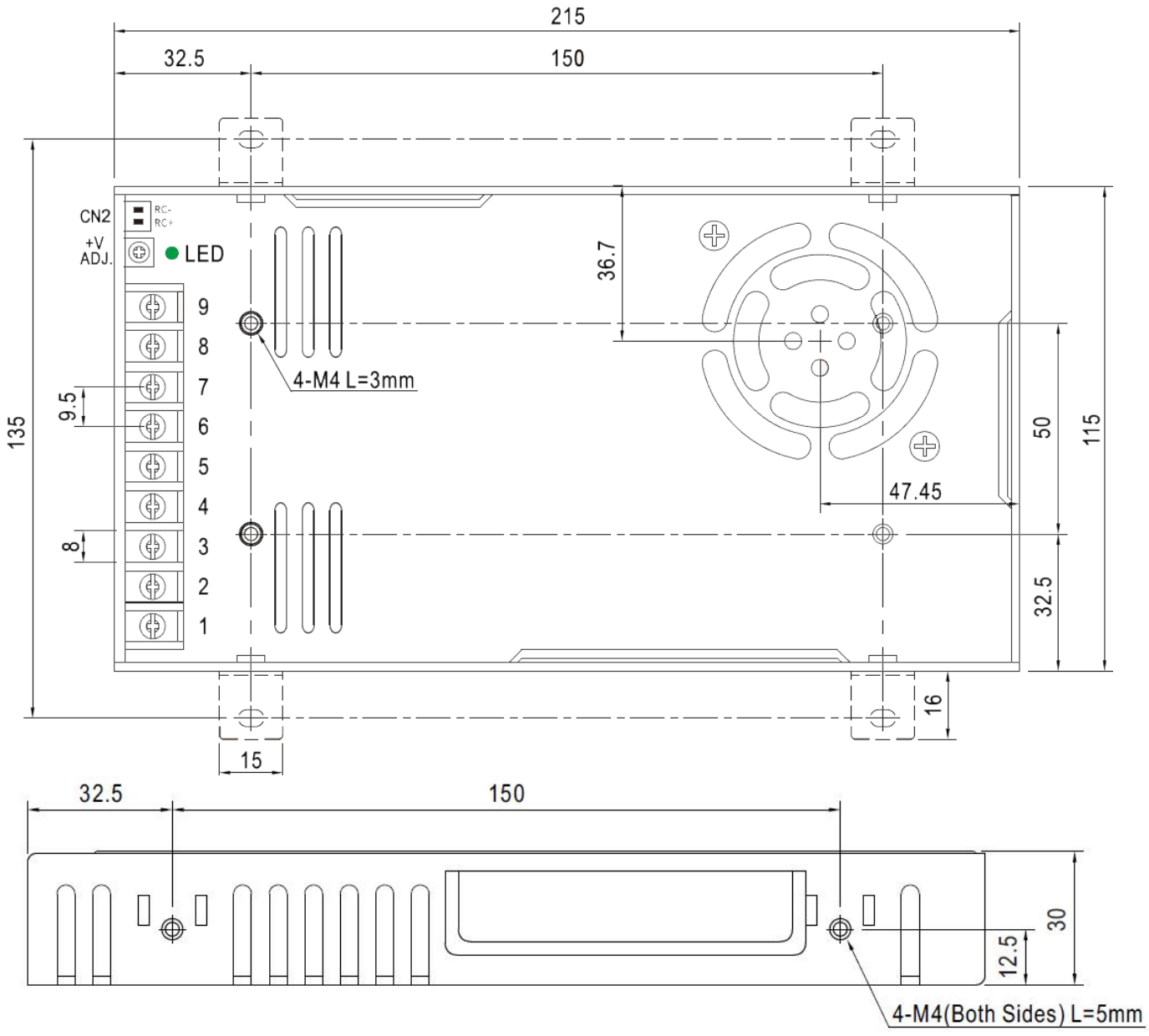



## Product characteristic curve



# Product Dimensions




Terminal Pin No. Assignment:

| Pin No. | Assignment | Pin No. | Assignment |
|---|---|---|---|
| 1 | AC/L | 4,5,6 | DC Output -V |
| 2 | AC/N | 7,8,9 | DC Output +V |
| 3 | FG ⏚ | | |

| | | |
|---|---|---|
| CN2 | RC- | Return for RC+ signal input |
| | RC+ | Power on/off controlled by an electronic switch or a dry contact between pin 4 (RC+) and pin 3 (RC-). 0~0.8V: Power ON, 4~10V: Power OFF |