

Cable Models

USB Models



Size: 2.32in x 1.61in x 1.04in (59mm x 40.9mm x 26.5mm)

OPTIONS

- Cable or USB
- Color
- Output Voltage
- Plug Type

FEATURES

- Wide Input Voltage Range of 90~264VAC
- Light Weight
- Compact Size
- Cable or USB Option
- Low Ripple and Noise
- RoHS Compliant
- Level VI Compliant
- Over Current and Short Circuit Protection
- Input Protection
- Various Safety Approvals (See Specifications)
- Output Voltages Ranging from 5 to 24VDC
- Single Outputs
- 4 Plug Types Available: EU, US, AU and UK

APPLICATIONS

- Router
- Wireless Equipment
- Camera
- Television
- LED

DESCRIPTION

The WMSAW12 series of AC DC wall mount power supplies provides up to 12 watts of continuous output power in a compact 2.32" x 1.61" x 1.04" package. This series consists of single output models with an input voltage range of 90~264V and models ranging from 5 to 24VDC. Cable attachment or USB inputs are available and 4 different plug types are available: EU, US, AU, and UK. Each model is protected against over current and short circuit conditions and all models are RoHS and Level VI compliant. Please call factory for ordering details.

MODEL SELECTION TABLE

| Model Number | Input Voltage Range | Output Voltage | Output Current Max | Ripple & Noise | Output Power | Efficiency Level |
|----------------------|---------------------|----------------|--------------------|----------------|--------------|------------------|
| WMSAW12-05-0500x | 90-264V | 5V | 500mA | 50mV | 12W Max. | VI |
| WMSAW12-075-1600x | | 7.5V | 1600mA | 60mV | | VI |
| WMSAW12-09-1200x | | 9V | 1200mA | 60mV | | VI |
| WMSAW12-12-1000x | | 12V | 1000mA | 6mV | | VI |
| WMSAW12-19-0600x | | 19V | 600mA | 70mV | | VI |
| WMSAW12-24-0500x | | 24V | 500mA | 80mV | | VI |
| WMSAW12-05-0500USBx | 90-264V | 5V | 500mA | 50mV | 12W Max. | VI |
| WMSAW12-075-1600USBx | | 7.5V | 1600mA | 60mV | | VI |
| WMSAW12-09-1200USBx | | 9V | 1200mA | 60mV | | VI |
| WMSAW12-12-1000USBx | | 12V | 1000mA | 6mV | | VI |
| WMSAW12-19-0600USBx | | 19V | 600mA | 70mV | | VI |
| WMSAW12-24-0500USBx | | 24V | 500mA | 80mV | | VI |

SPECIFICATIONS

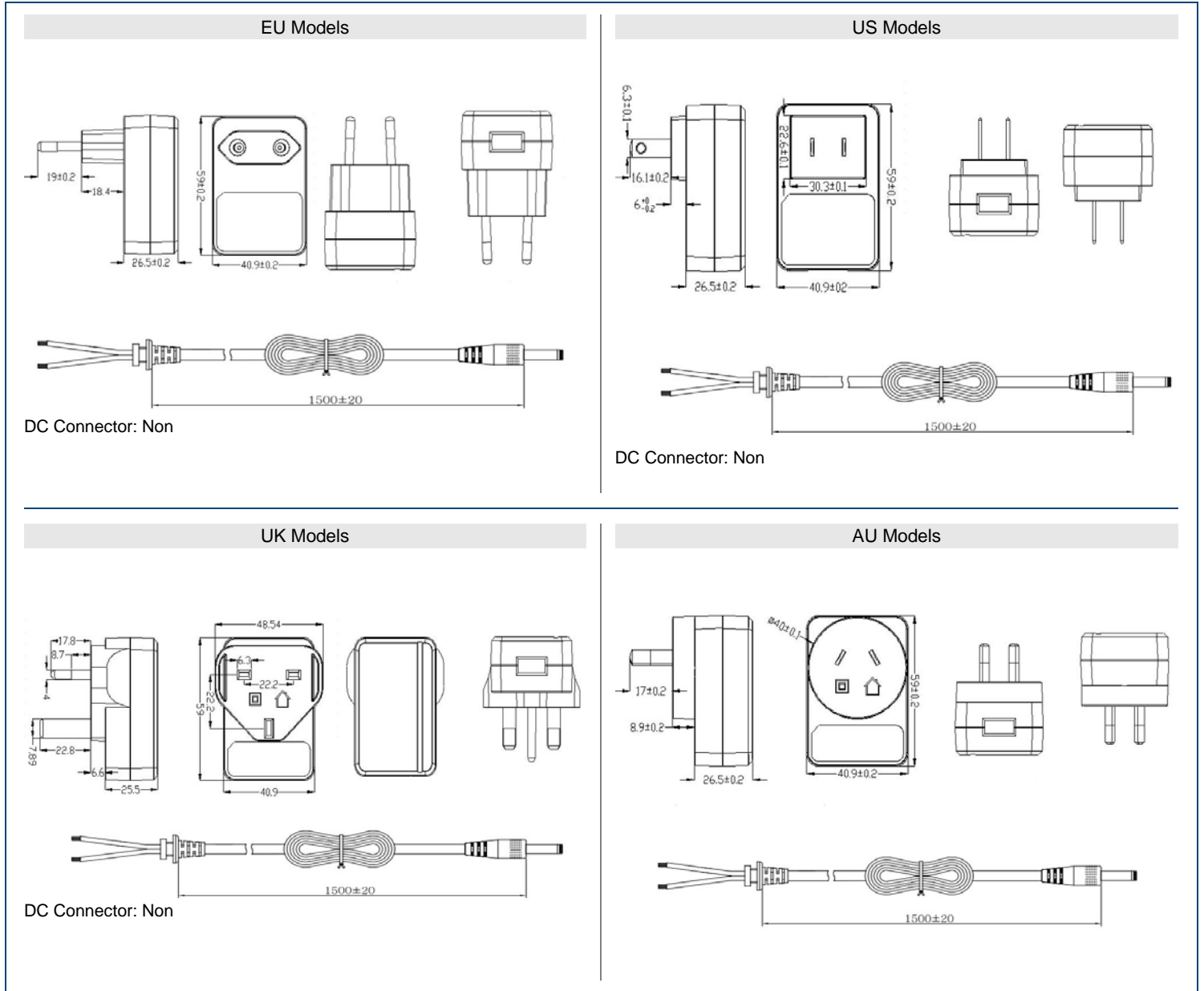
All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.
We reserve the right to change specifications based on technological advances.

| SPECIFICATION | TEST CONDITIONS | Min | Typ | Max | Unit |
|-------------------------------------|----------------------|---|------|------|-------|
| INPUT SPECIFICATIONS | | | | | |
| Input Voltage Range | | 90 | | 264 | V |
| Input Frequency | | 47 | | 63 | Hz |
| Input Current | | | | 1.2 | A |
| Inrush Current | | | | 40 | A |
| OUTPUT SPECIFICATIONS | | | | | |
| Output Voltage | | See Table | | | |
| Line Regulation | | | | 1 | % |
| Output Regulation | | -5 | | +5 | % |
| Output Power | | | | 12 | W |
| Output Current | | See Table | | | |
| Ripple & Noise (20MHz bandwidth) | | | | 100 | mVp-p |
| Turn-On Time | Nominal | 20 | | 30 | mS |
| Temperature Coefficient | | | 0.05 | | %/°C |
| PROTECTION | | | | | |
| Short Circuit Protection | | 3.6A Inner Current Fuse | | | |
| Over Current Protection | | Automatic Recovery | | | |
| ENVIRONMENTAL SPECIFICATIONS | | | | | |
| Operating Case Temperature | | 10 | | 40 | °C |
| Storage Temperature | | -20 | | 80 | °C |
| Humidity | Non-Condensing | 5 | | 95 | %RH |
| Cooling | | Convection | | | |
| GENERAL SPECIFICATIONS | | | | | |
| Efficiency | | See Table | | | |
| Insulation Resistance | Primary to Secondary | 50 | | | MΩ |
| Standby Power | | | | 0.1 | W |
| Leakage Current | | | | 0.25 | mA |
| PHYSICAL SPECIFICATIONS | | | | | |
| Weight | | 3.53oz (100g) | | | |
| Dimensions (L x W x H) | | 2.32in x 1.61in x 1.04in (59mm x 40.69mm x 26.5mm) | | | |
| Packing Details | Quantity | 150pcs/carton | | | |
| | Weight | 15kg/carton | | | |
| | External Carton Size | 18.5in x 14.37in x 7.48in (47cm x 36.5cm x 19cm) | | | |
| SAFETY | | | | | |
| Safety Approvals | EU and UK Models | CE, CB, and GS | | | |
| | US Models | UL, cUL, FCC | | | |
| | AU Models | SAA, C-Tick, RCM | | | |
| Certificates | AU Models | RCM Certificate | | | |

NOTES

- “x” in model name represents plug type. “x” can either be “E” for EU Plug, “U” for US Plug, “K” for UK Plug, or “A” for AU plug.

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 ISO9001-2008 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.

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