



OPTIONS

- AC Plug Type (USA, EU, or UK)
- Horizontal or Vertical Case
- USB or SR Output Type

FEATURES

- 6 Watts of Output Power
- Input Range of 100 to 240VAC
- Output Voltages Ranging from 5V~12V
- Over Voltage, Over Current, and Short Circuit Protection
- MTBF > 30,000 Hours
- RoHS Compliant
- Level VI Compliant
- US, EU, and UK Plugs Available
- Horizontal or Vertical Case Available
- USB or SR Output Available
- UL/cUL UL60950, UL60065, TUV/SUD EN/IEC 60950, CB, CE, and FCC Safety Approvals

DESCRIPTION

The WMEA1005 series of AC DC wall mount power supplies provides 6 watts of output power in a compact package. This series consists of single output models that have an input range of 100 to 240VAC and output voltages ranging from 5V to 12V. Several different options are available for this series; AC plug type can either be USA, EU, or a UK plug, case type can either be horizontal or vertical, and output type can either be USB or SR type. This series is both RoHS and Level VI compliant, and has UL/cUL, UL60950, UL60065, TUV/SUD EN/IEC 60950 CB, CE, and FCC safety approvals. Please call factory for order details.

MODEL SELECTION TABLE

Vertical Models

| Model Number ⁽¹⁾ | Input Voltage Range | Output Voltage | Output Current | | Ripple & Noise ⁽²⁾ | Output Type | Output Power | Efficiency Level |
|-----------------------------|---------------------|----------------|----------------|----------|-------------------------------|-------------|--------------|------------------|
| | | | Min Load | Max Load | | | | |
| WMEA1005AVxS | 100~240VAC | 5~8V | 0A | 1.2A | 100mV | SR | 6W | Level VI |
| WMEA1005AVxU | | | | | | USB | | |
| WMEA1005BVxS | 100~240VAC | 9~12 | 0A | 0.66A | 180mV | SR | 6W | Level VI |
| WMEA1005BVxU | | | | | | USB | | |
| WMEA1005CVxS | 100~240VAC | 9V | 0A | 0.5A | 180mV | SR | 4.5W | Level VI |
| WMEA1005CVxU | | | | | | USB | | |
| WMEA1005DVxS | 100~240VAC | 9V | 0A | 0.67A | 180mV | SR | 6W | Level VI |
| WMEA1005DVxU | | | | | | USB | | |

MODEL SELECTION TABLE

Horizontal Models

| Model Number ⁽¹⁾ | Input Voltage Range | Output Voltage | Output Current | | Ripple & Noise ⁽²⁾ | Output Type | Output Power | Efficiency Level |
|-----------------------------|---------------------|----------------|----------------|----------|-------------------------------|-------------|--------------|------------------|
| | | | Min Load | Max Load | | | | |
| WMEA1005AHxS | 100~240VAC | 5~8V | 0A | 1.2A | 100mV | SR | 6W | Level VI |
| WMEA1005AHxU | | | | | | USB | | |
| WMEA1005BHxS | 100~240VAC | 9~12 | 0A | 0.66A | 180mV | SR | 6W | Level VI |
| WMEA1005BHxU | | | | | | USB | | |
| WMEA1005CHxS | 100~240VAC | 9V | 0A | 0.5A | 180mV | SR | 4.5W | Level VI |
| WMEA1005CHxU | | | | | | USB | | |
| WMEA1005DHxS | 100~240VAC | 9V | 0A | 0.67A | 180mV | SR | 6W | Level VI |
| WMEA1005DHxU | | | | | | USB | | |

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 | | | 100 | | 240 | VAC |
| Input Frequency | | | 50 | | 60 | Hz |
| Input Current | | | | ≤0.6 | | A |
| Inrush Current | | | | ≤60 | | A |
| OUTPUT SPECIFICATIONS | | | | | | |
| Output Voltage | | | See Table | | | |
| Line Regulation ⁽³⁾ | | | -1 | | +1 | % |
| Load Regulation | | | -5 | | +5 | % |
| Output Power | | | | | 6 | W |
| Output Current | | | See Table | | | |
| Ripple & Noise (20MHz bandwidth) | | | See Table | | | |
| Hold Up Time | | | | ≥8.3 | | mS |
| Turn On Time | | | | ≤3 | | S |
| PROTECTION | | | | | | |
| Short Circuit Protection | | | Automatic Recovery | | | |
| Over Current Protection | | | Automatic Recovery | | | |
| Over Voltage Protection | | | Automatic Recovery | | | |
| ENVIRONMENTAL SPECIFICATIONS | | | | | | |
| Operating Temperature | | | 0 | | 40 | °C |
| Storage Temperature | | | -20 | | 85 | °C |
| Operating Humidity | | | 10 | | 90 | % |
| Storage Humidity | | | 5 | | 95 | % |
| MTBF | | | 100,000 | | | hours |
| PHYSICAL SPECIFICATIONS | | | | | | |
| Weight | | | 2.47oz (70g) | | | |
| Dimensions (L x W x H) | Vertical Models | US and EU Models | 2.10in x 1.61in x 1.16in (53.46mm x 41mm x 29.4mm) | | | |
| | | UK Models | 2.10in x 1.61in x 1.37in (53.46in x 41mm x 34.77mm) | | | |
| | Horizontal Models | USB | 2.19in x 1.07in x 1.46in (55.6mm x 27.1mm x 37.15mm) | | | |
| | | SR | 2.17in x 0.98in x 1.44in (55mm x 25mm x 36.7mm) | | | |
| SAFETY | | | | | | |
| Safety Approvals | | | UL/cUL | | | |
| | | | TUV | | | |
| | | | CB | | | |
| | | | CE | | | |
| | | | FCC | | | |
| | | | CCC | | | |

NOTES

- (1) "x" in model number indicates the AC Plug type. "x" can either be "U" for US Plug, "E" for EU Plug, or "K" for UK Plug. Please note that UK plug is only available in vertical case form.
- (2) Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1µF ceramic capacitor & parallel with 47µF aluminum capacitor at dull load and nominal line.
- (3) Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- (4) Certificates listed are for reference only. Please call factory for details.

MECHANICAL DRAWINGS

Horizontal (USB & SR Types)

USB Type

Vertical (USB & SR Types)

- Case Size: Horizontal: USB: 55.6L x 27.1W x 37.15H (mm)
SR: 55L x 25W x 36.7H (mm)
- Vertical: USA, EU: 53.46L x 41W x 29.4H (mm)
UK: 53.46L x 41W x 34.77H (mm)
- AC Plug: • K: UK Pin • U: USA Pin • E: EU Pin
- Weight: 70g

MODEL NUMBER SETUP

| WMEA1005 | B | V | U | S |
|-------------|---|--|---|-------------------------------|
| Series Name | Output Voltage Range | Case Type | AC Plug Type | Output Type |
| | A: 5~8V B: 9~12V C: 9V D: 9V | V: Vertical H: Horizontal | U: USA E: EU K: UK | U: USB S: SR |

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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