WM012P6 Series

12W, 100-240Vac Input, Industrial Adapter Wall Mount

Features

- Single output from 12W
- 100-240Vac Universal Input
- Safety standard: UL/cUL60950,
- Frequency: 47-63Hz
- Ripple: 250mVp-p
- OVP, SCP, and Overload protection
- Efficiency Level: VI
- Fixed Plug types: US, EU, AU, UK, KC, CN plug
- Dimension: 56.5x37.5x27mm(exclude plug)

*Product images are for illustrative purposes only and may vary from actual design.

Application

- Consumer electronics, Telecom and office equipment
- Industrial equipment

Model List

Custom Designs Available!

Model	Output Voltage	Output Current	Power	Certifications
WM012P6-050-X-XX	5V	2.4A	12W	UL/cUL
WM012P6-060-X-XX	6V	2A	12W	UL/cUL
WM012P6-070-X-XX	7V	1.7A	12W	UL/cUL
WM012P6-090-X-XX	9V	1.3A	12W	UL/cUL
WM012P6-120-X-XX	12V	1A	12W	UL/cUL

Technical Data

Rated Voltage (1)	(5-12V) Available in 0.1V increments
Rated Power	12W
Ripple & Noise (2)	250mVp-p
Current Range	0-2.4A
Total Regulation	+/- 5%
Overshoot/Undershoot	10%
Turn On Delay (Max.)	3s
Hold-up Time	10ms @115Vac/60Hz max. load & 20ms @230Vac/50Hz
Rated Voltage	100 ~ 240Vac (90-264Vac Operational)
Frequency Range	47Hz ~ 63Hz

1. Output voltage tolerance +/-5%
2. Max., Measuring is done by 20MHz bandwidth oscilloscope and terminated each output with a 22uF aluminum electrolytic capacitor and a 0.1uF ceramic capacitor. Full load, 25C ambient temperature at 115Vac and 230 Vac.

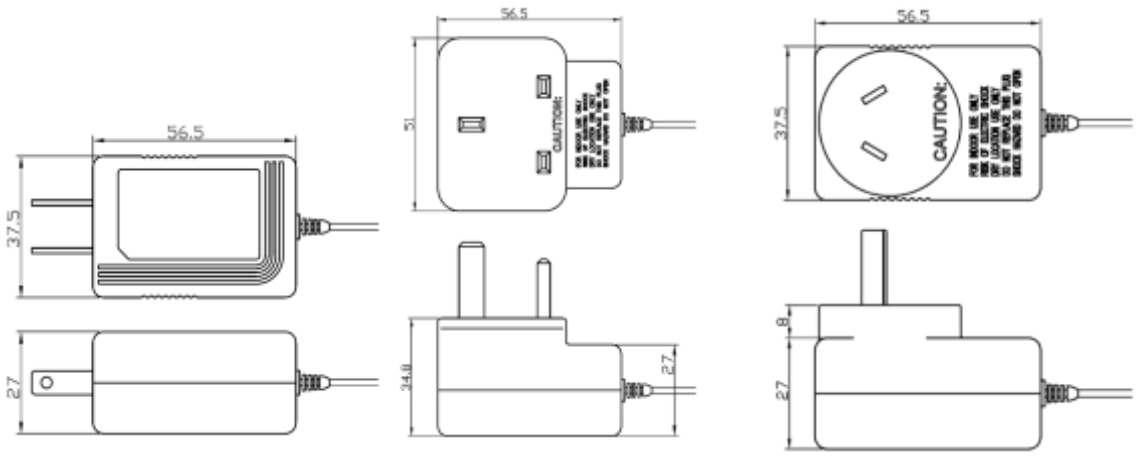
■ Technical Data(cont.)

Efficiency	~86%
Inrush Current	60A (At 100Vac input 25°C Cold Start.) / 90A (At 230Vac input 25°C Cold Start.)
AC Current (Typ.)	0.3A / 100Vac
Short Circuit	Hiccup mode, no damage shall occur and the power supply shall restart when the fault condition is removed
Over Voltage	Latch mode, recycle AC to restart power supply
Overload	Hiccup mode, at 150% (Max.) rated load and the power supply shall restart when the fault condition is removed
Temperature Range Operational	0°C ~ 45°C
Temperature Range Storage	- 10°C ~ +70°C
Humidity Operational	8% ~90% R.H
Humidity Storage	8% ~90% R.H
Altitude Operational	Will operate properly at altitudes between 0 to 10000ft
MTBF	>50,000 hours (Measured at 110Vac input, 100% Load and 25°C ambient temperature)
Burn-in	2-4 Hours (Min.) at 40C (+/-5%) at full load with cycling
Dimension (L*W*H)	56.5×37.5×27mm (+/-0.5mm) – 2.22×1.47×1.06 inch (US Design)
Weight	250g
RoHS	Complies with EU Directive 2011/65/EU
WEEE	Complies with EU Directive 2002/96/EC
EISA 2007	Complies with requirements for external power supplies.
EU	Complies with EU Code of Conduct on external power supplies

■ Safety and EMC

Safety Standards	UL/cUL60950
No load Power Dissipation	< 0.1W
Insulation Resistance	Input to output: Min. 10M OHM at 500 VDC.
Dielectric Strength	Primary to Secondary: DC 4525 V , 5mA Max , for 3 seconds
Conducted & Radiated EMI	EN 55022 Class B, CISPR22 Class B and FCC part 15 Class B
EMS	EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11

Mechanical Diagram



Part Number Scheme

WM 012 P 6-XXX-FUSB-X-XX

- WM=Wall Mount
- 012=Output power Watts
- P=Manufacturing code
- 6=Efficiency Level VI
- -XXX=Output Voltage
  050=5V
  120=12V
- -XX=Output Connector
  *See the output connector reference guide on our downloads page for full list of output connector options.
  Downloads
- -X=Input plug connector
  A=US AC Plug
  B=AUS/NNZ AC Plug
  C=UK AC plug (plastic GND)
  D=EU AC Plug
  E=China AC Plug
- FUSB=Internal USB Port (optional)

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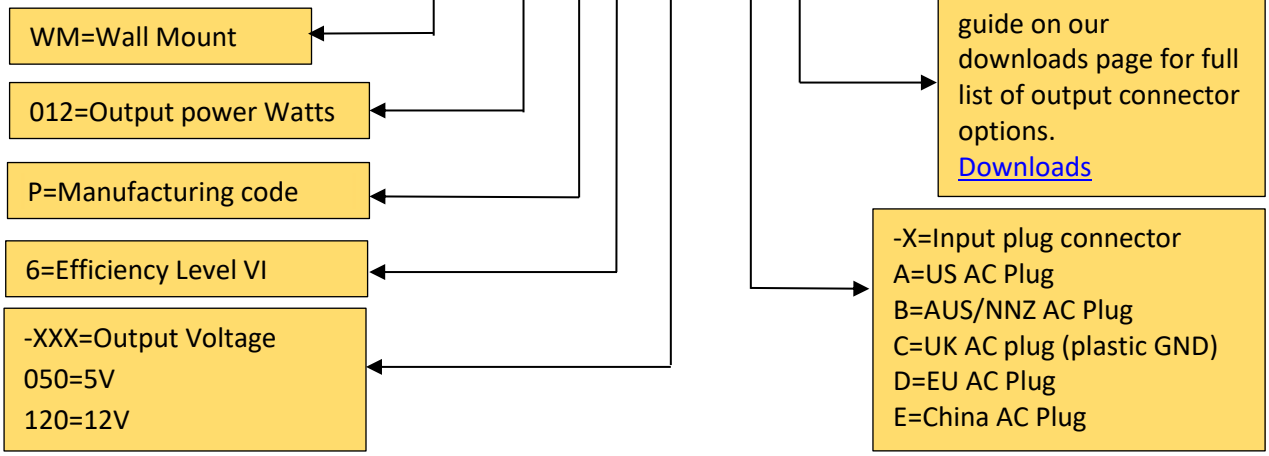

***Some Safety Agency Approvals may differ from what is shown. Contact Autec Sales!**

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***Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.**