



### Features:

- \* Universal or 90-132 VAC Input
- \* Small Wallmount package
- \* Worldwide Safety Approvals
- \* EN55022 & FCC Class B Emissions
- \* CE Mark

### Input

Input Voltage	90-132 or 90-264 VAC
Input Frequency	47-63Hz
Inrush Current	21A Max @ 230 VAC Cold Start
Input Current	0.22A @ 115 VAC / 0.1A @ 230 VAC Max
Hold-Up Time	10ms @ 115 VAC / 40ms @ 230 VAC Full Load

### General

Efficiency	75% Typ.
Switching Frequency	100KHz
Operating Temperature	0 to 40°C full load, derate 5% per °C to 50°C max.
Storage Temperature	-20°C to +85°C
Cooling	Convection
Temp Co-Efficient	0.04% per °C
Topology	Fixed Frequency Flyback Circuit

### Output

Minimum Load	None
Line Regulation	±0.1% typ.
Load Regulation	±1.5 - 3% typ.
Ripple & Noise	±1% typ. pk-pk @ 20MHz
Overload Protection	125-150% of rated current
OverVoltage Protection	Zener Diode Clamp
Adjustment	Fixed
Transient Response	voltage returns < 3mS following a 25% load change

### EMC & Safety

Emissions EN55022 "B", FCC Class B

Safety Approvals UL/cUL60950-1  
EN60950-1  
CE Mark (LVD)



### Model Number

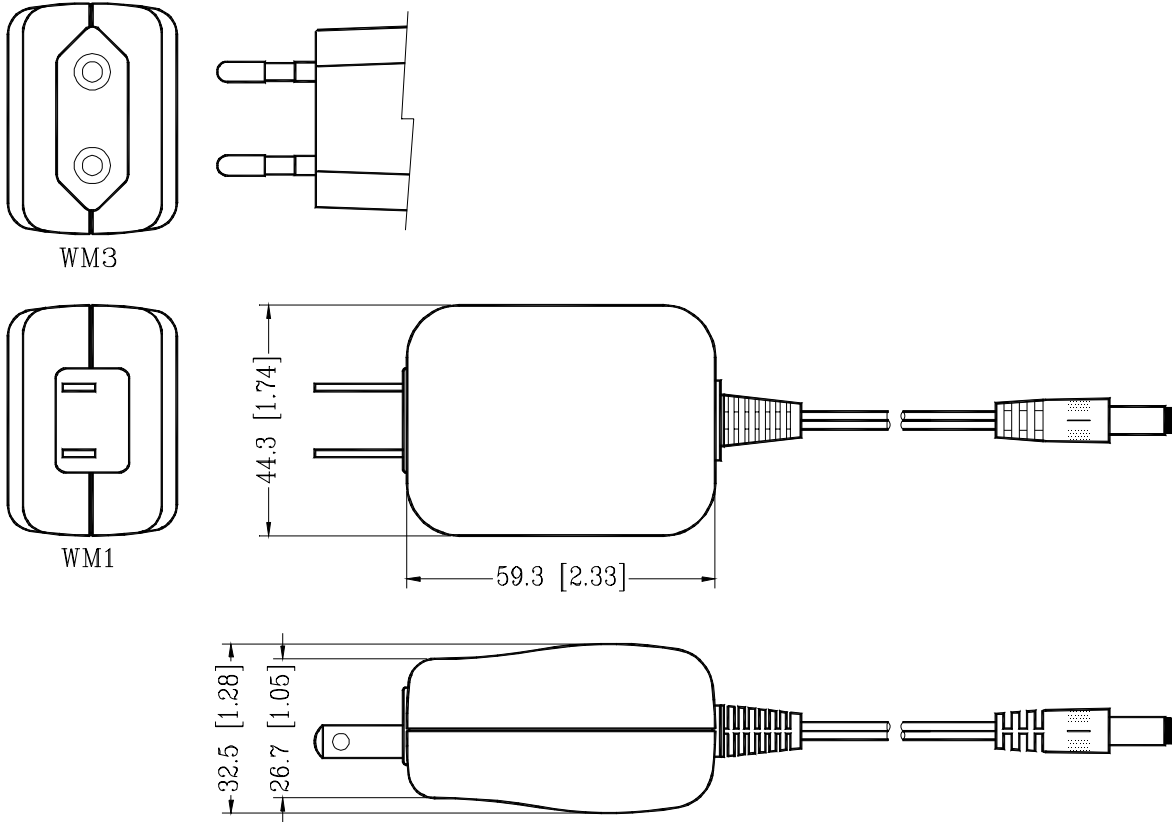
### Output

APS09ES-050160-1(1)	5.0V @ 1.60A
APS09ES-050180-1	5.0V @ 1.80A
APS09ES-050180-1(1)	5.0V @ 1.80A
APS09ES-050180-3	5.0V @ 1.80A
APS09ES-050200-1	5.0V @ 2.00A
APS09ES-050200-3	5.0V @ 2.00A
APS09ES-120075-1	12.0V @ 0.75A
APS09ES-120075-1(1)	12.0V @ 0.75A
APS09ES-120075-3	12.0V @ 0.75A
APS09ES-150060-1	15.0V @ 0.60A
APS09ES-150060-1(1)	15.0V @ 0.60A
APS09ES-150060-3	15.0V @ 0.60A

Parts ending with (1) have 90-132 VAC input range, all others have 90-264 VAC Input Range

*Mechanical Details*

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*Notes*

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WEIGHT: 113g (4.00z)

Standard Output Cable Length is 6 feet

See Output Connector Chart for standard output connector options