APS
the only solution

ADVANCED
POWER SOLUTIONS

APS42EG Series

24-48 Watt Desktop Switching Power Supply

4.33 x 2.28 x 1.27"

Features:

* Universal AC Input (90-264 VAC)

* Small Desktop package

* Measures only 4.33 x 2.28 x 1.27"

* Green Power Compliant

* 2-Prong or 3-Prong IEC-320 Inlet Options

* Worldwide Safety Approvals

* EN55022 & FCC Class B Emissions

* CE Mark

Input

Input Voltage	Universal (90-264 VAC)
Input Frequency	47-63Hz
Inrush Current	8Arms Max @ 230 VAC typical
Input Current	0.63 @ 115 VAC / 0.35A @ 230 VAC Max
Hold-Up Time	15.6ms @ 115 VAC / 89.6ms @ 230 VAC Full Load
Green Power	0.157W @ 131 VAC / 0.256W @ 264 VAC
Leakage	<0.17mA Class II / <0.4mA Class I Connection

Output

Minimum Load	n/a
Line Regulation	±0.5% typical
Load Regulation	±3% typical
Ripple & Noise	±1% typical, pk-pk @ 20MHz
Overload Protection	105-140%, Auto-recovery
OverVoltage Protection	115-140%, Latching
Adjustment	Fixed
Transient Response	voltage returns < 1mS following a 25% load change

General

Efficiency	78% Typ.
Switching Frequency	60KHz
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
Toplogy	Fixed frequency flyback circuit

EMC & Safety

Emissions	EN55022 "B", FCC Class B
Safety Approvals	UL/cUL60950-1 (Class 1 or Class II Connection) EN60950-1 CE Mark (LVD)

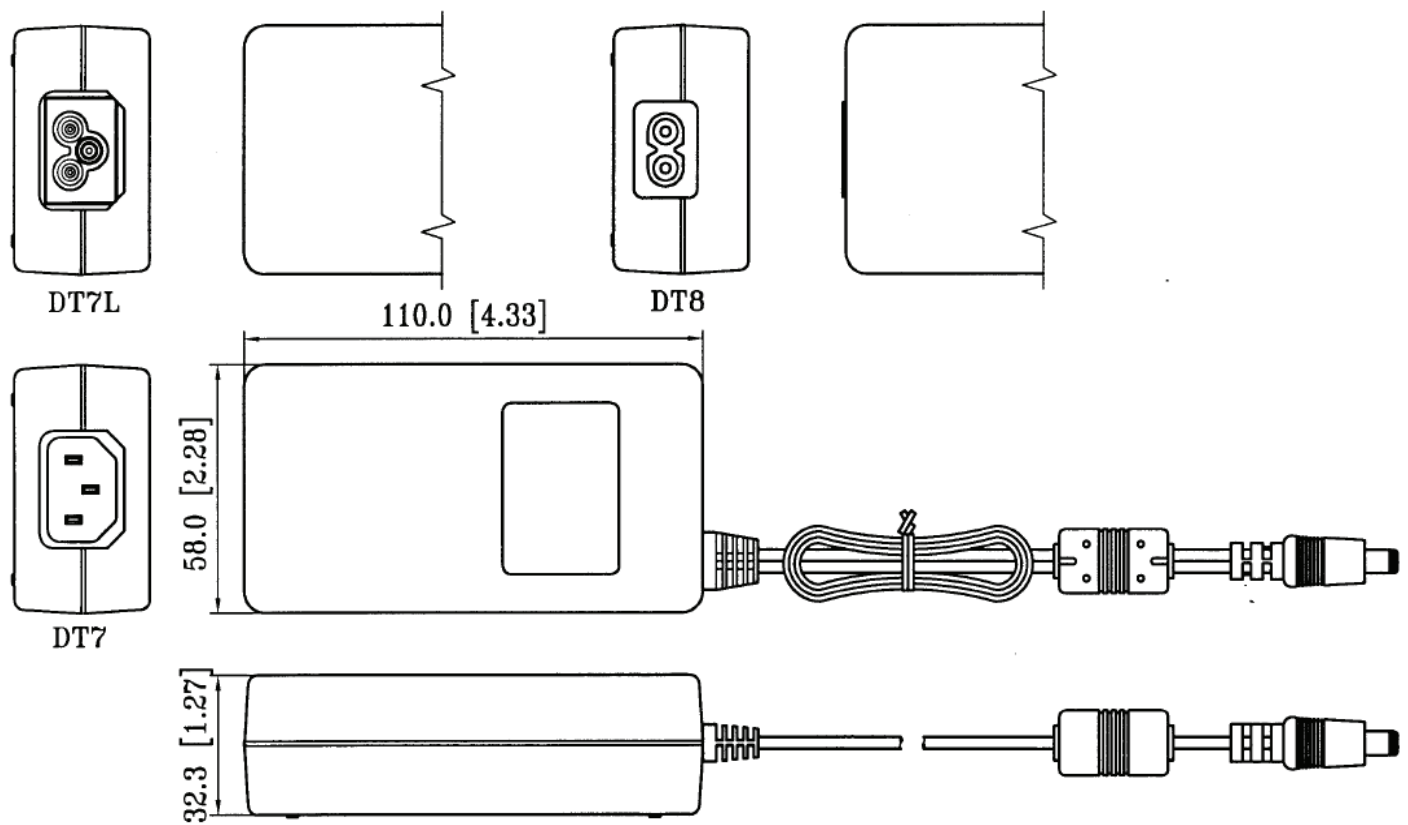| Model Number	AC Inlet	OUTPUT VOLTAGE	OUTPUT CURRENT
APS42EG-120350-7	DT7	12.0V	3.50A
APS42EG-120350-8	DT8	12.0V	3.50A
APS42EG-150280-7	DT7	15.0V	2.80A
APS42EG-150280-8	DT8	15.0V	2.80A
APS42EG-190220-7	DT7	19.0V	2.20A
APS42EG-190220-8	DT8	19.0V	2.20A
APS42EG-240100-7L	DT7L	24.0V	1.00A
APS42EG-240150-7L	DT7L	24.0V	1.50A
APS42EG-240200-7L	DT7L	24.0V	2.00A
APS42EG-240200-7	DT7	24.0V	2.00A
APS42EG-240200-8	DT8	24.0V	2.00A

Add Suffix "-G" for Gaming Applications (< 500uA Leakage Current & Class A Emissions)

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Mechanical Specifications:

DT7L

110.0 [4.33]

DT8

58.0 [2.28]

DT7

32.3 [1.27]

WEIGHT: 320g (11.3 Oz.)

Standard Output Cable Length is 6 feet

See Output Connector Chart for standard output connector options