



Features:

- * Universal or 90-132 VAC Input
- * Small Wallmount and Desktop packages
- * 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 48A Max @ 230 VAC Cold Start
 Input Current 0.3A @ 115 VAC / 0.1A @ 230 VAC Max
 Hold-Up Time 15ms @ 115 VAC / 60ms @ 230 VAC Full Load

General

Efficiency 70-75% Typ.
 Switching Frequency APS10ES=40-50KHz / APS10ESB =50-200KHz
 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 or Free Running Flyback

Output

Minimum Load None
 Line Regulation ±0.1% typ.
 Load Regulation V1 = ±1.5 - 3% / V2 = ±3-5%
 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

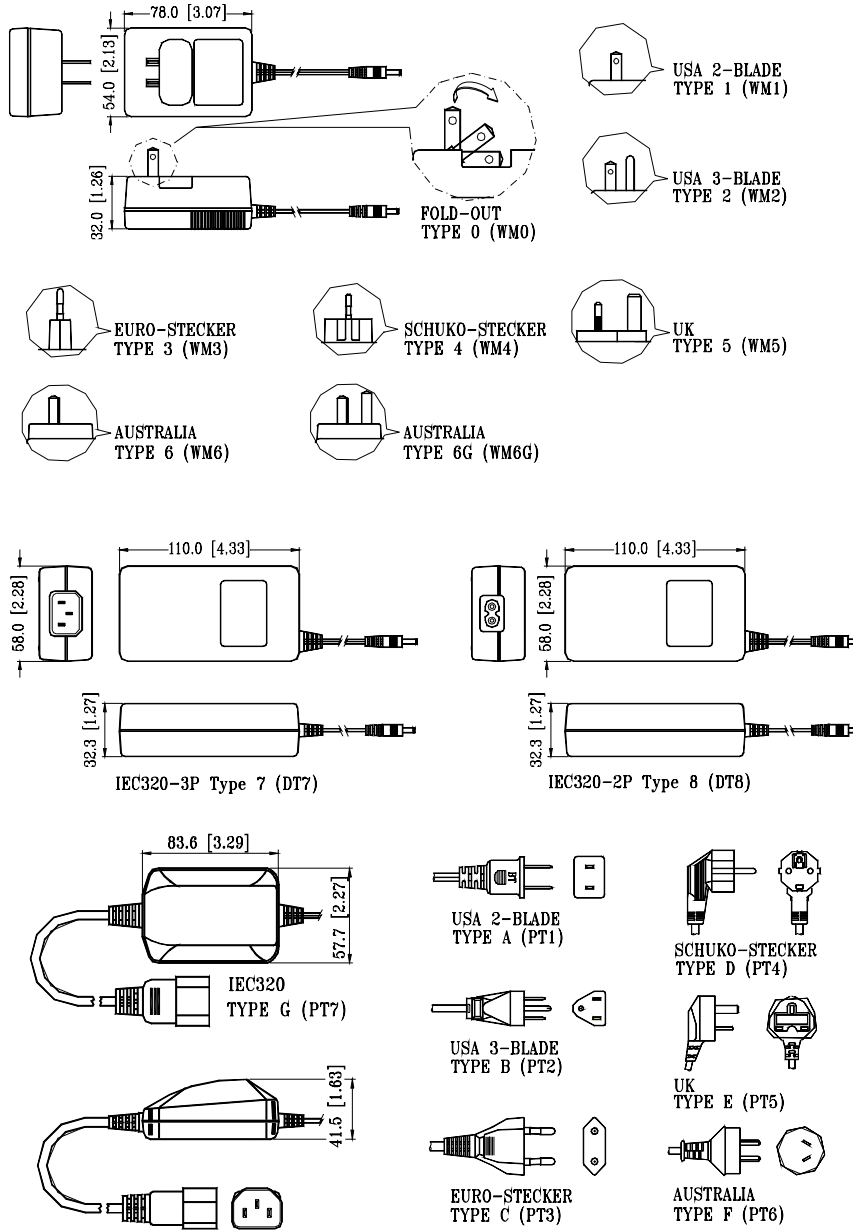


Safety Approvals UL/cUL60950-1
 EN60950-1
 CE Mark (LVD)

Model Number	Output	Model Number	Output
APS10ES-03325-0-1	3.3V @ 2.5A WM1	APS10ES-03310-A-1	+3.3V @ 1.0A / + 5.0V @ 0.6A WM1
APS10ES-03420-0-3	3.4V @ 2.0A WM3	APS10ES-05010-B-3	+5.0V @ 1.0A / +12.0V @ 0.3A WM3
APS10ES-05020-0-5	5.0V @ 2.0A WM5	APS10ES-05209-C-5	+5.2V @ 0.9A / +15.0V @ 0.2A WM5
APS10ES-60016-0-6	6.0V @ 1.6A WM6	APS10ES-06008-D-6	+6.0V @ 0.8A / +18.0V @ 0.2A WM6
APS10ES-12010-0-0	12.0V @ 1.0A WM0	APS10ES-09007-E-7	+9.0V @ 0.7A / +24.0V @ 0.1A DT7
APS10ES-07014-0-7	7.0V @ 1.4A DT7	APS10ES-12006-F-A	+12.0V @ 0.6A / -5.0V @ 0.6A PT1
APS10ES-08511-0-8	8.5V @ 1.1A DT8	APS10ES-13505-G-B	+13.5V @ 0.5A / -12.0V @ 0.3A PT2
APS10ES-09010-0-A	9.0V @ 1.0A PT1	APS10ES-15004-H-C	+15.0V @ 0.4A / -15.0V @ 0.2A PT3
APS10ES-10010-0-B	10.0V @ 1.0A PT2	APS10ES-18004-I-E	+18.0V @ 0.4A / -18.0V @ 0.2A PT5
APS10ES-12010-0-C	12.0V @ 1.0A PT3	APS10ES-20004-J-G	+20.0V @ 0.4A / -24.0V @ 0.1A PT7
APS10ES-13808-0-D	13.8V @ 0.8A PT4		
APS10ES-15008-0-E	15.0V @ 0.8A PT5		
APS10ES-16007-0-F	16.0V @ 0.7A PT6		
APS10ES-18006-0-G	18.0V @ 0.6A PT7		
APS10ES-06020-0-0	6.0V @ 0.2A WM0		
APS10ES-06020-0-1	6.0V @ 0.2A WM1		
APS10ES-24050-0-2	24.0V @ 0.5A WM2		

- 1) 3-Digit callout listed after each output rating defines the package and AC connection type
- 2) For 90-132 VAC Input, change part # prefix from "APS10ES" to "APS10ESB"
- 3) Add Suffix "-G" for Gaming Applications (< 500uA Leakage Current & Class A Emissions)

Mechanical Details



Notes

WEIGHT: WM = 168.0g (5.93 Oz.) | DT = 232g (8.18 Oz.) | PT = 210.0g (7.41 Oz.)

Standard Output Cable Length is 6 feet

See Output Connector Chart for standard output connector options