



Features:

- * Universal AC Input
- * Small Desktop package
- * On/Off Switch
- * Worldwide Safety Approvals
- * EN55022 & FCC Class B Emissions
- * CE Mark

Input

Input Voltage Universal (90-264 VAC)
 Input Frequency 47-63Hz
 Inrush Current 20A Max
 Input Current 1.3 @ 115 VAC / 0.6A @ 230 VAC Max
 Hold-Up Time 15ms @ 115 VAC / 75ms @ 230 VAC Full Load

General

Efficiency 75-80% Typ.
 Switching Frequency 44KHz
 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 20% min load required on V1 Only
 Line Regulation ±0.1% typ.
 Load Regulation V1 = ±1.5 -3% | V2 = ±3 - 5% | V3 = ±1 -2% typ.
 Ripple & Noise 1% typ. pk-pk @ 20MHz
 Overload Protection 125-150%, Auto-recovery (custm settings upon request)
 OverVoltage Protection V1 only (crowbar)
 Adjustment Fixed
 Transient Response voltage returns < 5mS 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

APS61ES-10	5 @ 9A
APS61ES-11	12V @ 4.2A
APS61ES-11A	13.2V @ 4.0A
APS61ES-12	15V @ 3.4A
APS61ES-13	24V @ 2.2A
APS61ES-19	3.3V @ 9A
APS61ES-20	+5V @ 7A -5V @ 0.75A
APS61ES-21	+5V @ 5A +12V @ 3A
APS61ES-21A	+5V @ 7.5A +12V @ 1A
APS61ES-22	+5V @ 5.0A +15V @ 2.0A
APS61ES-23	+5V @ 5.0A +24V @ 1.0A
APS61ES-25	+15V @ 2A +8V @ 1.7A
APS61ES-30	+5V @ 5A +12 @ 1.5A -12V @ 0.5A
APS61ES-31	+5V @ 5A +12 @ 1.5A -5V @ 0.8A
APS61ES-32	+5V @ 5A +24 @ 0.75A -12V @ 0.5A
APS61ES-33	+5V @ 5A +15 @ 1.5A -5V @ 0.5A
APS61ES-34	+5V @ 5A +15 @ 1.5A -15V @ 0.2A

