



Features:

- * Universal AC Input (90-264 VAC)
- * Small Desktop and Wallmount Packages
- * Worldwide Safety Approvals
- * EN55022 & FCC Class B Emissions
- * CE Mark

Input

Input Voltage 90-264 VAC
 Input Frequency 47-63Hz
 Input Protection 2 Amp/ 250 VAC Fuse

General

Efficiency 65% minimum
 Operating Temperature 0 to 40°C full load, derate 5% per °C to 50°C max.
 Storage Temperature -25°C to +85°C
 Cooling Convection

Output

Minimum Load n/a
 Line Regulation ±1% typ.
 Load Regulation ±5.0% typical
 Ripple & Noise ±1% typ. pk-pk @ 20MHz
 Overload Protection Protected against short circuit
 OverVoltage Protection Latching at >124% of nominal
 Protection Fixed
 Adjustment

EMC & Safety



Emissions EN55022 "B", FCC Part 15 Subject J Class B

Safety Approvals UL/cUL 60950
 CB Report (EN60950)
 PSE / JET
 CE Mark (LVD)

Model	Output	Model	Output	Model	Output
AD1203	3.3 @ 3.7A	AD1803	3.3V @ 4.2A	AD2507	7V @ 3.6A
AD1205	5V @ 2.4A	AD1805	5V @ 3.8A	AD2509	9V @ 2.7A
AD1207	7V @ 1.7A	AD1807	7V @ 2.6A	AD2512	12V @ 2.1A
AD1209	9V @ 1.4A	AD1809	9V @ 2.0A	AD2515	15V @ 1.7A
AD1212	12V @ 1.0A	AD1812	12V @ 1.5A	AD2518	18V @ 1.4A
AD1215	15V @ 0.9A	AD1815	15V @ 1.2A	AD2524	24V @ 1.0A
		AD1818	18V @ 1.0A		
		AD1824	24V @ 0.8A		

Suffix required to complete part # to define the mechanical package and output connector as illustrated in the mechanical drawings.

Cases C = 2-Prong US Wallmount D = 2-Prong Euro Wallmount E = UK Wallmount F = 2-Prong Asia Wallmount

For Example: AD1205y/xx (y = case/input plug configuration A-G & xx= 2.1, 2.5 or 1.3mm I.D. of output barrel plug).

Default Polarity: Center positive, Add "N" to suffix for center (inner) connector negative.

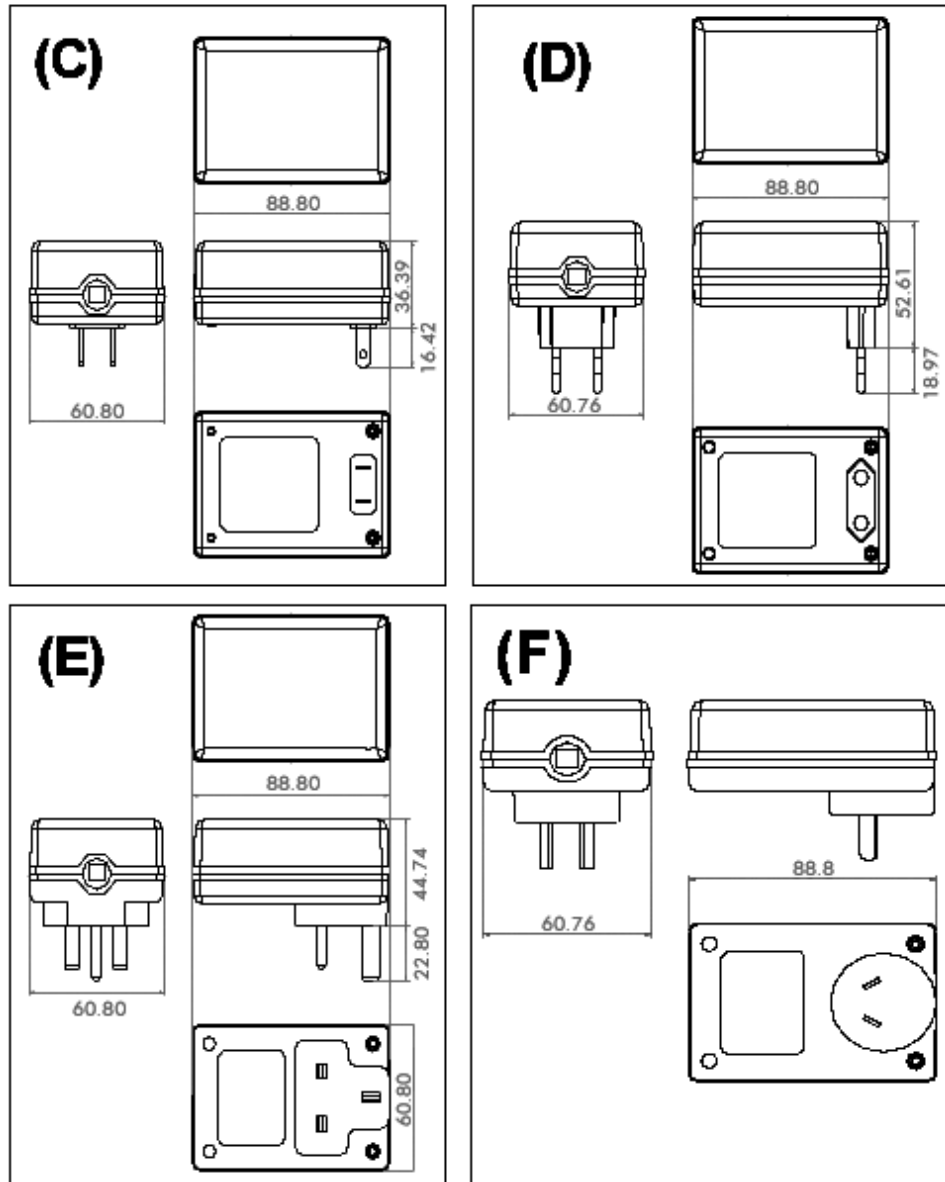
See Connector table or consult factory for additional options.

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



All Advanced Power Solutions (APS) products will be RoHS compliant. Products that are compliant will bear the suffix "-LF" in their part number. APS will continue to ship non-RoHS product until all inventory has been consumed unless customer's have specifically ordered the parts with the "-LF" suffix.

Mechanical Specifications:



Suffix required to complete part # to define the mechanical package and output connector as illustrated in the mechanical drawings. For Example: AD1205y/xx (y = case/input plug configuration A-G | xx= 2.1, 2.5 or 1.3 (mm I.D. of output barrel plug). Default Polarity: Center positive, Add "N" to suffix for center (inner) connector negative. See Connctro table or consult factory for additional connector options.