

Choose *your* AC-DC Converter

	12Vcd	24Vcd	48Vcd	Power	Size
Product Codes for AD Series	AD 115/230-12 036	AD 115/230-24 036	AD 115/230-48 036	36 watts	165 x 87 x 59mm (6.5" x 3.43" x 2.32") 675g (23.8oz)
	AD 115/230-12 072	AD 115/230-24 072	AD 115/230-48 072	72 watts	165 x 87 x 59mm (6.5" x 3.43" x 2.32") 675g (23.8oz)
	AD 115/230-12 108	AD 115/230-24 108	AD 115/230-48 108	108 watts	165 x 87 x 59mm (6.5" x 3.43" x 2.32") 675g (23.8oz)
	AD 115/230-12 168	AD 115/230-24 168	AD 115/230-48 168	168 watts	215 x 87 x 59mm (8.46" x 3.43" x 2.32") 900g (31.7oz)
	AD 115/230-12 240	AD 115/230-24 240	AD 115/230-48 240	240 watts	255 x 87 x 59mm (10" x 3.43" x 2.32") 1150g (40.6oz)

Common Characteristics

Input voltage range	Auto-Select, 85-135Vac and 170-265Vac, 47-440Hz
Output voltage options	13.6 Vdc, 27.2Vdc or 54.4Vdc, as ordered. Worst case limits are +/-4%
Output noise	<50mV pk-pk at continuous load
Power conversion efficiency	Typically 85%
Isolation:	
Between input and case/output Casework to ground	1.5kVac/3.0kVac rms Connected directly to mains input ground
Mean time between failures	>100 Years (HRD4)
Normal operating temperature	-25°C to +30°C to meet this specification table +30°C to +70°C de-rate linearly to 0A
Storage temperature	-25°C to +100°C
Max case temperature	70°C at full load with 25°C ambient
Operating humidity	95% max, non-condensing
Casework	Anodized aluminum
Connections:	IEC-320 C14 socket, C13 terminated cordset
Input	6.3 mm push-on blade terminals
Output	Stud with crimp eyelet, adjacent to input
Ground	
Output indicator	Red LED adjacent to output terminals
Mounting method	'Click 'n' Fit' mounting clip or rubber feet
Safe area protection:	Limited by current sensing circuit, may be run in parallel
Over current	Limited by temperature sensing circuit
Over heat	Protected by independent shut down circuit
Output over voltage	Protected by filters and rugged component selection
Transients	Protected by internal input and output fuses
Catastrophic failure	
Approvals	89/336/EEC The General EMC Directive 73/23/EEC The Low Voltage Directive 93/68/EEC The CE Marking Directive
Tested to	EN50081-1, EN50082-1, EN55014-1, EN61000-3-3, EN60950, EN60945 UL1950, CSA950-95, FCC Class "B", VDE0805
Markings	CE



AlfaTronix Limited 29 Newtown Business Park, Poole, Dorset BH12 3LL, Great Britain, European Union
 Telephone: +44 (0) 1202 715517. Fax: +44 (0) 1202 715122. E-mail: sales@alfatronix.ltd.uk
 Website: <http://www.alfatronix.ltd.uk>
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