

ZVC90 Series

Single output 80W to 90W AC/DC External Adapters

Industry leading low profile, high efficiency 90 watt external adapter. The EOS ZVC90 "Power Z model" adapters offer 90 watts of DC power and are available in popular voltage outputs at 12V to 48V.

Applications include low power LAN/WAN routers, hubs and switches, industrial products, computing equipment, multimedia gear and many general electronics systems. These small package, big power adapters provide greater than 92% efficiency converting AC power to DC. The low profile Power Z measures a compact 5.236" x 2.284" x 1.152" or 6 watts per cu. in. and weighs under 12 ounces. The ZVC90 Power Z adapters feature universal AC input from 90v to 264v, operating temperature of 0 to 40 degrees C at full load and have worldwide safety and agency certifications and are RoHs compliant. Our factory is ISO140001 environmentally approved.



Features :

- > 12V at 6.6A and 15V at 5.3A models
- > Efficiency to 92%
- > Universal input
- > EN55022-B, FCC Part 15 Level B Noise safety approvals
- > Class 2 Product

Model Number	Case Type	Output Voltage	Output Current	Peak Current	OCP Limit
ZVC90NS12E	NS	12V	6.66A	7.5A	9.5A
ZVC90NS15E	NS	15V	5.33A	6.0A	8.0A
ZVC90NS19E	NS	19V	4.7A	5.0A	6.5A
ZVC90NS24E	NS	24V	3.75A	3.75A	5.6A
ZVC90NS48E	NS	48V	1.87A	1.87A	2.8A

OUTPUT SPECIFICATIONS		
Output Power		80 to 90W
Minimum Load		0.0A
Hold-Up Time		3ms
Set Point Accuracy		± 5%
Line Regulation	Low line to high line	± 0.5%
Load Regulation	Min to Full Load	± 5%
Transient Response	50% to full load Voltage Deviation Recovery Time	<3% <5ms
Ripple and Noise	Peak to Peak	<1.5%
Output Rise Time	10% to 90% Load	<50ms
Turn-on Delay		<2s
Overshoot		<10%
OVP		Yes
Overload Protection		Yes
Short Circuit Protection	Auto Recovery >10s	<0.5A

INPUT SPECIFICATIONS		
AC Input	Universal	90 to 264V
Efficiency		92%
Input Frequency		47-63 Hz
Input Current	Full Load at low line	1.3Arms, max
Inrush Current	High Line , cold start	50A, Max
Leakage Current		<100 µA
Harmonic Currents	EN61000-3-2	Class A & D

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MECHANICAL SPECIFICATIONS	
Input Connector	IEC320 C8
Output Connector	Right angle, hollow coax plug 0.10" (2.54mm) inside and 0.216" (5.49mm) outside diameter. Center positive polarity
Size	5.236 x 2.284 x 1.152" (133.0 x 58.0 x 29.2 mm)
Weight	10 oz (300g)

ENVIRONMENTAL SPECIFICATIONS		
Operating Temperature	Full load Derate power by 25%	0 to 50° C 35 to 50° C
Storage Temperature		-40 to 50° C
Cooling		Convection
Relative humidity	Non condensing	95%, max
MTBF	Bellcore TR-332	> 100,000 hrs

EMC AND SAFETY SPECIFICATIONS	
CE Mark	Complies with LVD and EMC Directives
EMC-Emissions	EN5022-B,CISPR22-B, FCC Part 15 Class B, EN50082-1
EMC - Susceptibility	EN61000-4-2(level 3), -4(level 2), -5 (level 2)
Agency Approvals	VDE, NEMKO, STQC, SASA, SABS, CCC, EK, GOST, SAI, UL, c-UL
Safety Standards	IEC60950, CSA C22.2 No. 60950, EN60950, UL60950 Class 2 SELV
Safety file numbers	NEMKO: P05205056 UL : E136019

