

ZVC65 Series

Single output 25W to 65W AC/DC External Adapters

The EOS ZVC65 "Mini Z model" adapters range in power from 25 watts to 65 watts and are available in popular voltage outputs from 5 volts to 24 volts.

With millions in operation worldwide with leading product brands applications include low power LAN/WAN routers, hubs and switches, industrial products, computing equipment, multimedia gear and many general electronics applications. These small package, big power adapters provide greater than 88% efficiency converting AC power to DC. The slim line *Mini Z* measures a compact 4.220" x 1.724" x 1.182" case packing 8 watts per cu. in. and weighs under 10 ounces. The ZVC65 *Mini Z* adapters feature auto ranging AC input from 90v to 264v, operating temperature of 0 to 40 degrees C and have worldwide safety and agency certifications and are RoHs compliant. Our factory also is ISO140001 environmentally approved.



Features :

- > High power density to 8w/in³
- > Efficiency to 90%
- > Smallest 65W adapter
- > EN55022-B, FCC Part 15 Level B Noise
- > Class 2 safety approvals

Model Number	Case Type	Voltage/Current	Min Current Limit Point	Peak Power
ZVC25SG05E	SG	5V@5.00A	6.30A	30W
ZVC45SG12E	SG	12V@3.75A	4.50A	50W
ZVC55SG15E	SG	15V@3.66A	4.60A	60W
ZVC65SG19E	SG	19V@3.15A	3.63A	65W
ZVC65SG24E	SG	24V@2.70A	2.91A	65W
ZVC65SG48E	SG	48V@1.35A	1.5A	65W

OUTPUT SPECIFICATIONS		
Output Power		25 to 65W
Minimum Load	5V Other Outputs	1.0A 0.0A
Hold-Up Time		15ms
Set Point Accuracy		±5%
Line Regulation	Low line to high line	±0.5%
Load Regulation	Min to Full Load	±5%
Transient Response	10% to full load Voltage Deviation Recovery Time	<5% <5ms
OVP		Yes
Overload Protection		Yes
Short Circuit Protection	Auto Recovery <3s	Short Term
Ripple and Noise		<1.5%
Output Rise Time		<10ms

INPUT SPECIFICATIONS		
AC Input	Auto-ranging	90 to 264V 180 to 264V
Efficiency	5V Model Other Models	77% >88%
Input Frequency		47-63 Hz
Input Current	Full Load at low line	1.5Arms, max
Inrush Current	High Line , cold start	60A, Max
Leakage Current		<250 µA

All EOS power supplies have UL, CSA and Nemko safety compliance and medical versions meet UL60601-1 standards. All our products are RoHs compliant. Visit us at www.eospower.com. EOS brand power supplies and patents are owned exclusively by EOS Power. All Rights Reserved.



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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	4.220 x 1.724 x 1.182" (107.2 x 43.8 x 30.0 mm)
Weight	7oz (200g)

ENVIRONMENTAL SPECIFICATIONS		
Operating Temperature		0 to 40° C
Storage Temperature		-40 to 85° C
Cooling		Convection
Relative humidity	Non condens- ing	95%, max
MTBF	MIL-HDBK 217F	> 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	NEMKO, UL, c-UL
Safety Standards	IEC60950 CSA C22.2 No.60950, EN60950, UL class 2 SELV
Safety file numbers	NEMKO: P063094 UL : E150565

