

# EOS Z-Series

## EXTERNAL POWER ADAPTERS

# Power-Z

Single Output 60W, 65W, and 70W universal AC-DC power supplies

Big power, little package.

The EOS "Power-Z" AC-DC universal power adapter gives you up to 70 watts of continuous power in a package so small it could only come from EOS. Delivering nearly 8 watts per cubic inch, the "Power-Z" has over twice the density of any other high wattage power adapter on the market. That puts the "Power-Z" in a class by itself. And it means competitive advantage and more value for you and your customers.

Measuring just 5.24" x 2.28" x 1.15", the "Power-Z" is slightly larger than a deck of cards and weighs just 9 ounces—making it far lighter and much smaller than any competitive adapter available. In fact, the Power-Z has set the industry standard for a 70 watt external power supply.

With full worldwide safety standards and a CE mark, the "Power-Z" series is the power adapter of choice for demanding applications like mobile and laptop computers, point of sale terminals, thermal printers, data networking, telecommunications, medical, bar code readers, Internet servers and a host of industrial products. Millions of EOS "Power-Z" AC-DC adapters are in use worldwide, powering the industry's leading electronics products.



### FEATURES :

- Very High Efficiency: above 90%
- High Power Density: nearly 8 watts/inch<sup>3</sup>
- Ultra Miniature Size: 5.24" x 2.28" x 1.15"
- Lightweight: only 9 ounces
- Power Factor Correction in HD Models
- Universal input: 90-264 VAC
- FCC & CISPR Level "B" EMI filter
- No Minimum Load Required
- Fully Regulated Output
- Over Current Protection (OCP)
- 100% Burn-In
- High MTBF
- Meets Worldwide Safety Standards
- CE marked

### APPLICATIONS :

- Mobile & Laptop Computers
- Point of Sale terminals and computers
- Thermal printers
- Bar Code Readers
- Data Networking products
- Telecommunications products
- Internet servers
- Industrial equipment
- Medical equipment



Highest Density  
Smallest Size  
Most Efficient

Contact us at: 1.800.293.9998 or [www.eoscorp.com](http://www.eoscorp.com)

# EOS Z-Series

## SPECIFICATIONS

# Power-Z

### INPUT

AC Input	90 to 135 VAC and 170 to 264 VAC
Efficiency	86-90% typical, measured at Full load on main and 230 VAC input voltage
Input Frequency	47-63 Hz

### OUTPUT

Output Power	60W, 65W, 70W
DC Output	12V, 15V, 19V, 24V
Hold-Up Time	10msec at full rated load, 130VAC/230VAC
Line Regulation	1%, over operating range
Load Regulation	3%, with minimum to full load, with standard cord
Overload Protection	Yes
Ripple and Noise	500mV peak-peak maximum
Power-Up Initialization Period	4 seconds Max at 120VAC

### ENVIRONMENTAL

Operating Temperature	0 to 40°C
Storage Temperature	-40°C to +85°C
Cooling	Convection

### EMI AND SAFETY

CE Mark	Full compliance with LVD and EMC directives
Safety Standards	Meets Worldwide Safety Standards; IEC950, EN60950, UL1950 Class 2, SELV

AGENCY APPROVALS EMI/RFI	UL, c-UL, VDE, NORDICS, MITI EN55022 Class B, FCC Part 2 & 15 Class B, CISPR22 Class B
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MTBF	Over 200,000 hours @ 25°C ambient condition
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### MECHANICAL

Dimensions	See table below
Weight	9 ounces, includes DC cord
AC Input Connector	Dual pin, IEC 320 approved C8 type, mates with interchangeable cords for world wide operations.
DC Output Connector	Right angle, hollow coaxial plug, 0.10" (2.54 mm) inside diameter, 0.21" (5.49 mm) outside diameter. Center positive polarity.
DC Cord Length	40 inches

### OUTPUT VOLTAGE/CURRENT RATING CHART

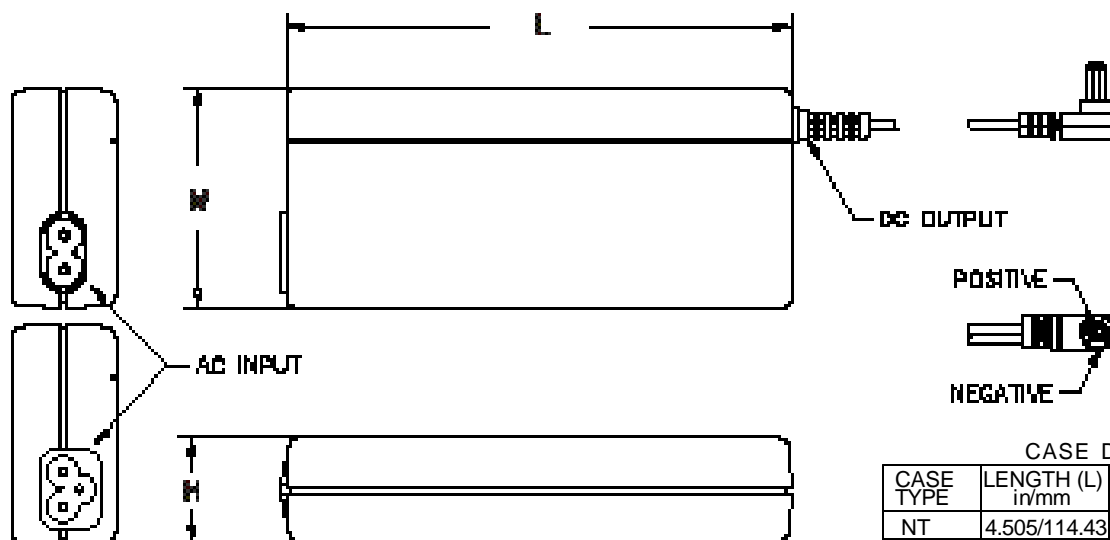
Model Number	Output Voltage	Current max (amp)	Power max peak
ZVC60NT12E12.0 VDC	12.0 VDC	5.00	60W 65W
ZVC60NT15E15.0 VDC	15.0 VDC	4.00	60W 65W
ZVC65NT19E19.0 VDC	19.0 VDC	3.40	65W 70W
ZVC65NT24E24.0 VDC	24.0 VDC	2.70	65W 70W
ZVC70NS19E19.0 VDC	19.0 VDC	3.50	65W 80W
ZVC70NS24E24.0 VDC	24.0 VDC	2.90	70W 80W



*Highest Density  
Smallest Size  
Most Efficient*

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Consult your local representative below or the factory for custom requirements or modifications to standard products. Specifications are subject to change without notice.



CASE DIMENSIONS

CASE TYPE	LENGTH (L) in/mm	WIDTH (W) in/mm	HEIGHT (H) in/mm
NT	4.505/114.43	2.384/60.55	1.15/29.21
NS	5.24/133.10	2.28/57.10	1.15/29.21