

# ZVC60NP Series

## Single output 60 AC/DC External Adapters

The New 60 Watt NP Series from Red Rocket are ideal for portable computing, multimedia, industrial, networking and printing applications.

The new NP series of power adapters are fully compliant with CEC and Energy Star IV requirements and provide their full output power without the need for fan cooling.

The NP series are also available with non-standard voltage outputs as an option.



### Features :

- > Universal Input
- > Desktop Style
- > Efficiency to 85%
- > Convection cooled
- > EN55022-B—Level B
- > Class 1 Product
- > CEC Compliant
- > Energy Star IV Compliant
- > 0 to 50°C Operating

Model Number	Output	I Min	I Max	Power
ZVC60NP12E4	+12V	0.0A	5.0A	60W
ZVC60NP12E8	+12	0.0A	5.0A	60W
ZVC60NP15E4	+15V	0.0A	4.0A	60W
ZVC60NP15E8	+15V	0.0A	4.0A	60W
ZVC60NP19E4	+19V	0.0A	3.15A	60W
ZVC60NP19E8	+19V	0.0A	3.15A	60W
ZVC60NP24E4	+24V	0.0A	2.5A	60W
ZVC60NP24E8	+24V	0.0A	2.5A	60W
ZVC60NP36E4	+36V	0.0A	1.6A	60W
ZVC60NP36E8	+36V	0.0A	1.6A	60W
ZVC60NP48E4	+48V	0.0A	1.25A	60W
ZVC60NP48E8	+48V	0.0A	1.25A	60W

INPUT SPECIFICATIONS		
AC Input	Universal	90 to 264V
Efficiency	Typical	85%
Input Frequency		47—63Hz
Input Current		2.3A Max
Inrush Current	Max	30A @ 115vac 60A @ 230VAC

MECHANICAL SPECIFICATIONS	
Input Connector	IEC320—C14 OR C8
Output Connector, Cable / length	Jack Connector UL1185, 18AWG/5ft
Size	110.5mm x 53.0mm x 29mm (31mm with C14 Connector)
Weight	250g

All Red Rocket, Inc. 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.redrocketpower.com](http://www.redrocketpower.com) and contact us at: [sales@redrocketpower.com](mailto:sales@redrocketpower.com) or by calling +1 805-409-0909 today. © 2008, Red Rocket, Inc. EOS brand power supplies and patents are owned exclusively by Red Rocket, Inc. All Rights Reserved. REV 06-19-08

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### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0° C to + 50° C De-Rate from 40° C @ 100% to 50° @ 75% load.
Storage Temperature	-20° to + 85° C
Cooling	Convection
Relative humidity	20% to 90% RH
MTBF	≥150,000Hrs

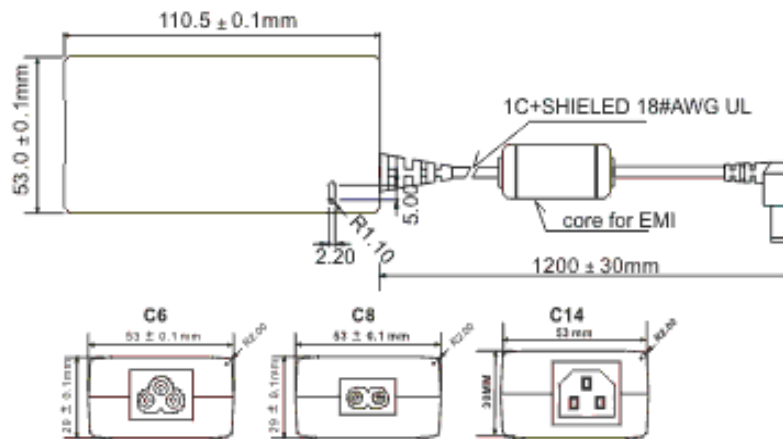
### EMC AND SAFETY SPECIFICATIONS

CEC Mark	Complies with standby power ( @ no load ) < 0.5 W.
EMC—Radiated/ Conducted	EN55022,CISPR22, FCC Part 15 Class B
Agency Approvals	UL / TUV / EN60950—1 , CE, CB
Safety Standards	UL,CE,CB , EN60950-1
EMC—Environmental	EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11

### OUTPUT SPECIFICATIONS

Output Power		60W
Minimum Load		0.0A
Hold-Up Time		30ms @ 230VAC 10ms @ 115VAC
Line Regulation		+/-2% Max
Load Regulation		+/- 5% Max
Transient Response		<5%
OCP		Auto Recovery
Overload Protection		Auto Recovery
SC Protection		Short Term
Ripple and Noise		2% P-P Max
Output Rise Time		<10ms

### MECHANICAL DRAWING



All Red Rocket, Inc. 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.redrocketpower.com](http://www.redrocketpower.com) and contact us at: [sales@redrocketpower.com](mailto:sales@redrocketpower.com) or by calling +1 805-409-0909 today. © 2008, Red Rocket, Inc. EOS brand power supplies and patents are owned exclusively by Red Rocket, Inc. All Rights Reserved. REV 06-19-08

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