

# ZVC180NP Series

## Single output 120W to 180W AC/DC External Adapters

The High Power NP Series from Red Rocket are ideal for portable computing, multimedia, industrial, networking and printing applications.

The new NP series of high 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
- > Efficiency to 85% @ full load
- > Convection cooling
- > EN55022-B—Level B
- > Class 1 Product
- > CEC Compliant
- > Energy Star IV Compliant
- > 0 to 50°C Operating

Model Number	Output	Min Load	Max Load	Power
ZVC120NP12D	+12V	0.0A	10.00A	120W
ZVC150NP12D	+12V	0.0A	12.50A	150W
ZVC120NP15D	+15V	0.0A	8.00A	120W
ZVC150NP15D	+15V	0.0A	10.0A	150W
ZVC150NP19D	+19V	0.0A	7.89A	150W
ZVC150NP24D	+24V	0.0A	6.25A	150W
ZVC180NP24D	+24V	0.0A	7.5A	180W
ZVC150NP36D	+36V	0.0A	4.16A	150W
ZVC180NP36D	+36V	0.0A	5.0A	180W
ZVC150NP48D	+48V	0.0A	3.125A	150W
ZVC180NP48D	+48V	0.0A	3.75A	180W

INPUT SPECIFICATIONS		
AC Input	Universal	90 to 264V
Efficiency		85% Typical
Power Factor		0.95 @ 230VAC
Input Current		2.3A Max
Inrush Current		60A Max
Input Frequency		47—63Hz

MECHANICAL SPECIFICATIONS	
Input Connector	IEC320 C14
Output Connector,	4 pin power din (FMP02-4P)
Size	L170.8 x W84.85 x H44.45 mm
Output Cable Length	1200mm +/- 30mm

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



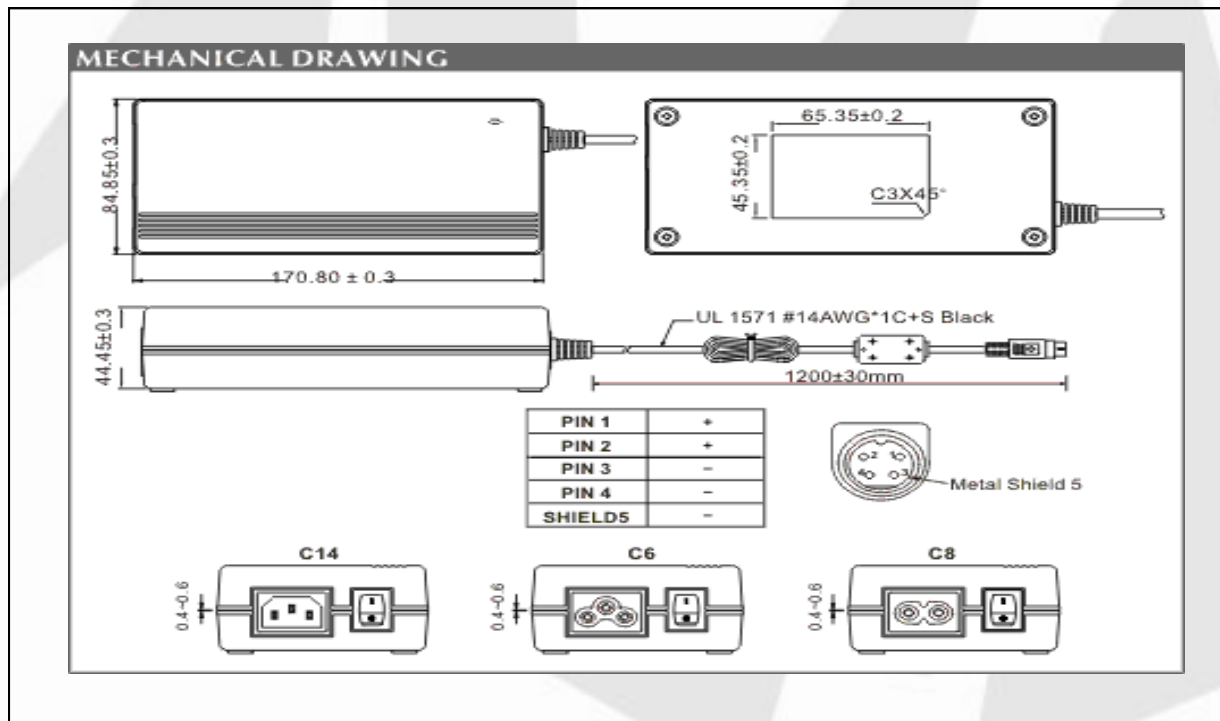
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## Single output 180 AC/DC External Adapters

EMC AND SAFETY SPECIFICATIONS		ENVIRONMENTAL SPECIFICATIONS	
CEC Mark	Complies model standby power ( @ no load ) < 0.5 W.	Operating Temperature	0°C to 50°C De-rate from 40°C @ 100% to 50°C @ 75% Load
EMC—Radiated/Conducted	EN55022,CISPR22, FCC Part 15 Class B	Storage Temperature	-20° to + 85° C
Agency Approvals	UL / TUV / EN60950—1 , CE, CB	Cooling	Convection
Safety Standards	UL,CE,CB , EN60950-1	Operating Humidity	20% to 90% RH
EMC—Environmental	EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11	MTBF	≥150,000 Hrs

OUTPUT SPECIFICATIONS		
Output Power		120W to 180W
Minimum Load		0.0A
Hold-Up Time		10ms @ 115VAC 30ms @ 230vac
Line Regulation		+/-3%
Load Regulation		+/-3%
Transient Response		<5%
OCP,OVP, Over Power & Short Circuit		YES
Ripple and Noise	12,15 & 19v	5% Max
	24,36 & 48v	3% Max
Output Rise Time		<10ms



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