

ZVC60NP Series

Single output 60 AC/DC External Adapters

New



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

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.



| Model Number | Output | I Min | I Max | Power |
|--------------|--------|-------|-------|-------|
| ZVC60NP12E4 | +12V | 0.0A | 5.0A | 60W |
| ZVC60NP12E8 | +12V | 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 and contact us at: 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

