

ZVC120SP Series

New Product



Single output 100W to 120W AC/DC External Adapters

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

The new SP 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 SP 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
- > -10 to 70°C Operating

Model Number	Output	Min Load	Max Load	Power
ZVC120SP12D	+12V	0.0A	8.30A	100W
ZVC120SP15D	+15V	0.0A	8.00A	120W
ZVC120SP18D	+18V	0.0A	6.66A	120W
ZVC120SP24D	+24V	0.0A	5.0A	120W
ZVC120SP36D	+36V	0.0A	3.33A	120W
ZVC120SP48D	+48V	0.0A	2.5A	120W

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)
Cable length / UL : 12V/15V Cable length / UL : 18V/24V/36V/48V	1200mm ± 30mm / UL1571 1200mm ± 30mm / UL1185
Cable gauge	12V/15V : 14AWG 18V/24V : 16AWG 36V/48V : 18AWG
Size	175mm x 60.5mm x 38.3 mm
Weight	650 g

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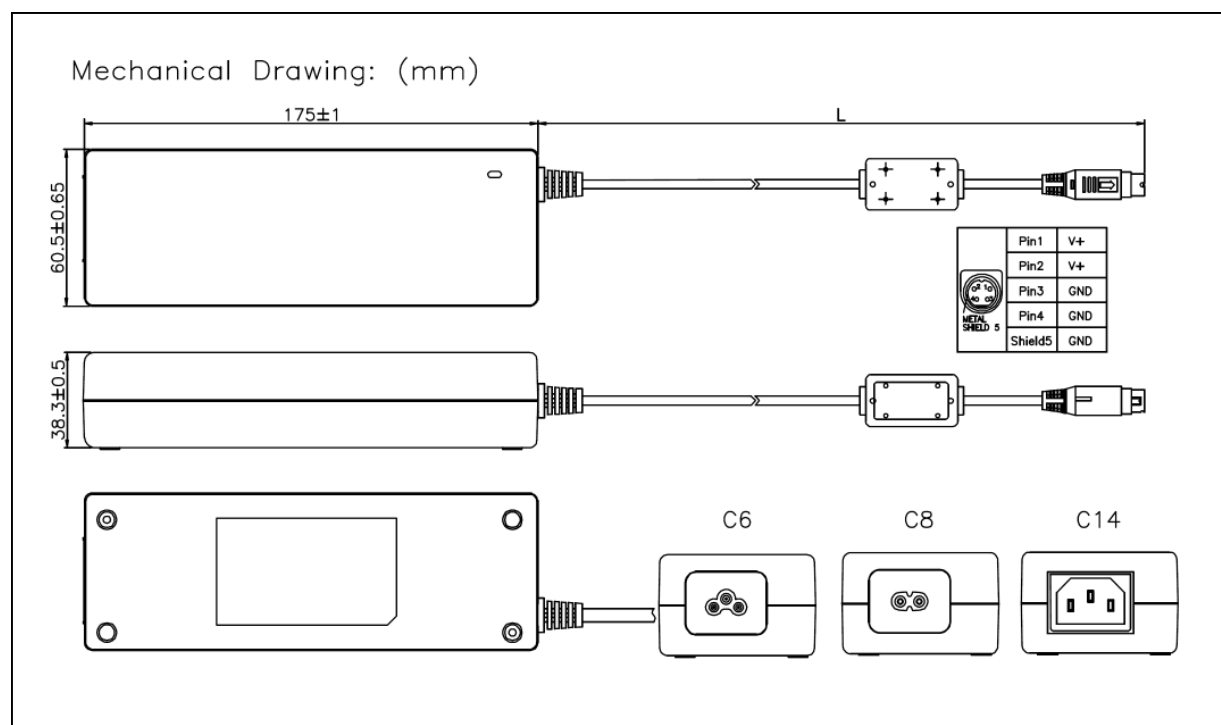
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EMC AND SAFETY SPECIFICATIONS		ENVIRONMENTAL SPECIFICATIONS	
CEC Mark	Complies model standby power (@ no load) < 0.5 W.	Operating Temperature	-10°C to 70°C De-rate from 40°C @ 100% to 70°C @ 50% Load
EMC—Radiated/Conducted	EN55022,CISPR22, FCC Part 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
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



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