

LED Power Supply

Product Specifications

ANZ#: Z099e, July 31, 2006

LP4240-XX-YZ-E Series Switch-Mode LED Driver	
Total Power	240 Watts
Input Voltages	90-264 VAC
Number of Outputs	Three or Four

SPECIAL FEATURES ELECTRICAL SPECIFICATIONS

<ul style="list-style-type: none"> • Three (3) or Four (4) independent Class 2 outputs • In compliance to EN61000-3-2, -3-3 Class D • Low Inrush Current maximize number of hookup • Incompliance to NEMA3, IP66 standards • Suitable for damp or dry locations • Suitable for wet location w/adequate connectors • Aluminum extrusion enclosure, convection cool • OCP, OTP and SCP w/ auto-recovery • DIN Rail Mounting – Optional 	<table border="0"> <tr> <td>Input range</td> <td>90 to 264 VAC, Full range</td> </tr> <tr> <td>Frequency</td> <td>47 to 63 Hz</td> </tr> <tr> <td>Power Factor</td> <td>> 0.95 at full load, 115VAC</td> </tr> <tr> <td>Inrush current</td> <td>5.0 Amps maximum at 115VAC, cold start, 25° C</td> </tr> <tr> <td>Input current</td> <td>3.0Amps maximum at 115VAC</td> </tr> <tr> <td>Efficiency</td> <td>85% typical at 230VAC and maximum load</td> </tr> <tr> <td>EMI filtering</td> <td>47CFR, Part 2, Part 15 and Cispr PUB, 22 Class A</td> </tr> <tr> <td>Maximum power</td> <td>240W total</td> </tr> <tr> <td>Line Regulation</td> <td>1%</td> </tr> <tr> <td>Load Regulation</td> <td>±3%</td> </tr> <tr> <td>Ripple Noise</td> <td>3% typ.</td> </tr> <tr> <td>Leakage Current</td> <td>2mA @ 110VAC, 4mA @ 230VAC</td> </tr> <tr> <td>Hold up time</td> <td>Half cycle minimum at 120 VAC and 80% of rated load</td> </tr> <tr> <td>Protection</td> <td>Over-voltage, Over-current, Over-temp. and Short circuit protection</td> </tr> </table>	Input range	90 to 264 VAC, Full range	Frequency	47 to 63 Hz	Power Factor	> 0.95 at full load, 115VAC	Inrush current	5.0 Amps maximum at 115VAC, cold start, 25° C	Input current	3.0Amps maximum at 115VAC	Efficiency	85% typical at 230VAC and maximum load	EMI filtering	47CFR, Part 2, Part 15 and Cispr PUB, 22 Class A	Maximum power	240W total	Line Regulation	1%	Load Regulation	±3%	Ripple Noise	3% typ.	Leakage Current	2mA @ 110VAC, 4mA @ 230VAC	Hold up time	Half cycle minimum at 120 VAC and 80% of rated load	Protection	Over-voltage, Over-current, Over-temp. and Short circuit protection
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ENVIRONMENTAL

Operating temperature:	-30 to 70 ° C (De-rating : 2.5% per °C from 50°C~70°C)
Storage temperature:	-40 to 85 ° C
Humidity (Non-Condensing):	5% to 95%
Cooling:	Convection
Vibration Frequency:	5 to 50 Hz
MTBF:	>100,000 Hours at full load and 25°C ambient conditions (MIL-217F)
EMC :	Compliant to 47CFR, Part 2, Part15 and Cispr PUB, 22 Class B

SAFETY

UL/cUL	UL48, Class 2
CE	Certified

MODEL INFORMATION

Model #	DC Output				Output per Channel (Watts)	Total Output (Watts)
	Channel 1 (VDC/Amp)	Channel 2 (VDC/Amp)	Channel 3 (VDC/Amp)	Channel 4 (VDC/Amp)		
LP4240-12-YZ-E	12VDC	12VDC	12VDC	12VDC	60	240
	0 ~ 5 Amp	0 ~ 5 Amp	0 ~ 5 Amp	0 ~ 5 Amp		
LP4240-15-YZ-E	15VDC	15VDC	15VDC	15VDC	60	240
	0 ~ 4 Amp	0 ~ 4 Amp	0 ~ 4 Amp	0 ~ 4 Amp		
LP4240-24-YZ-E	24VDC	24VDC	24VDC	24VDC	60	240
	0 ~ 2.5 Amp	0 ~ 2.5 Amp	0 ~ 2.5 Amp	0 ~ 2.5 Amp		
LP3240-24-YZ-E	24VDC	24VDC	24VDC	---	80	240
	0 ~ 3.3 Amp	0 ~ 3.3 Amp	0 ~ 3.3 Amp	---		

MECHANICAL DRAWING

Model Information – Single DC output

- LP4240-XX-YZ-E and LP3240-XX-YZ-E**
- XX – DC outputs
 - Y – AC input connector (J – Junction Box)
 - Z – DC output connector (G – Gland, T – Terminal Block or J – Junction Box)
 - E – Aluminum extrusion enclosure length (Refer to mechanical drawing)

MECHANICAL DRAWING (PRELIMINARY)

