



320W High Efficiency Constant Voltage Driver

- · Wide Input Range for Worldwide use (up to 305Vac)
- · Built-in PFC Function: up to PF 0.99
- · IP67 Design for Outdoor Installation
- · Suitable to Dry, Damp, Wet Location
- · High Surge Protection: 6kV/6kV(IEC61000-4-5)
- · High Reliability & Long Life 50,000hrs
- · Type HL LED Driver for use in Class I Division 2 Hazardous Location Luminaires
- · All-Round Protections: Short Circuit/ Over Voltage/ Over Temperature
- · Safety: Meet IEC61347-2-13, UL8750 & EMI EN55015





FSP320-SZAE-XXMG G Type: IP67 rated with Io & Vo fix MG Type: IP67 rated with 1-10V, PWM Dimming Function

SPECIFIC	ATION				
Model Name		FSP320-SZAE-24G	FSP320-SZAE-36G	FSP320-SZAE-48G	FSP320-SZAE-54G
Output	Rated Power	320.16W	320.4W	321.6W	321.3W
	Output Voltage	24V	36V	48V	54V
	Rated Current	13.34A	8.9A	6.7A	5.95A
	Output Current Accuracy	±5%	±5%	±5%	±5%
	Ripple & Noise(typ.)[2]	250mVp-p	300mVp-p	350mVp-p	350mVp-p
	Line Regulation	±1%	±1%	±1%	±1%
	Turn On Delay Time, Rise time	≤2500ms,80mS /115Vac ≤500ms,80mS /230Vac			
Input	Input Voltage/ Frequency[3]	90~305Vac/ 47~63Hz (Please refer to Stactic Curve)			
	Power Factor (typ.)	PF≧0.98 /115Vac PF≧0.95 /230Vac PF≧0.94 /277Vac @ Max. Load			
	Efficiency (typ.)	93%	93%	93.5%	93.5%
	Total Harmonic Distortion[4]	THD <20% (@Output Loading ≧50% at 115Vac,230Vac)			
	AC Current (typ.)	≦3.5A /115Vac; ≤1.65A /230Vac; ≤1.45A /277Vac			
	Inrush Current (typ.)	≦70A at 230Vac, 25°C cold start			
	Leakage Current	≤2.5mA/277Vac			
Environment	Operating Temperature	-40°C ~ +70°C (Please Refer to "Derating Curve")			
	Operating Humidity	20~95% RH non-condensing			
	Storage Temperature, Humidity	-40°C~+85°C, 10%~95%RH			
	Vibration	10~500Hz, 5G 12min./1cycle,peruid fir 72 min. each along X,Y,Z axes			
Protection	Over Voltage Protection	<33V	<46V	<58V	<65V
		Protection Type: Shut down and no damage			
	Short Circuit Protection	Shut down and no damage			
	Over Temperature Protection	Shut down and no damage			
Safety & EMC	Safety Standards	Design Refer to UL8750 /Class P/ Type HL ,IP67			
	EMC Standard	Compliant with EN55015/CISPR22 CLASS B, Compliant with EN61000-3-2 Class C (≥50% load), EN61000-3-3			
	Surge Protection	line-Earth 6KV,Line-Line 6KV			
	Withstand Voltage (Hipot)	I/P-O/P 3000Vac, I/P-FG 1500Vac, O/P-FG 1500Vac			
	Isolation Resistance	I/P-O/P,I/P-FG:O/P-FG 100M ohm @ 500Vdc/ 25°C			
Others	Life Time [5]	50,000 hours at Tcase of ≤ 75°C			
	MTBF	151,700 hours, MIL-HDBK-217F(25°C)			
	Dimension (LxWxH)	260 x 84 x 42.5 mm			
	Net Weight / Packing	1.621kg; 10pcs/ 17.25kgs			

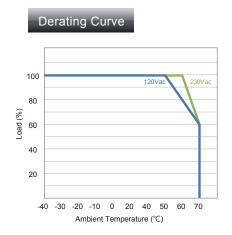
- 1. All data NOT specially mentioned are measured at 230Vac/ 50Hz input, full load and 25°C of ambient temperature.
- 2. The ripple & noise must be measured under the condition of paralleled between the output connector with 0.1uF/100V Ceramic capacitor and 10uF/100V aluminum electrolytic capacitord at rated output.
- 3. Derating may be needed under low input voltages. Please check the static characteristics for more details.
- Measured at rated output voltage
 Measured at 230Vac/50Hz input, 80% load.
- 6. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.

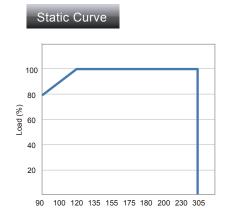


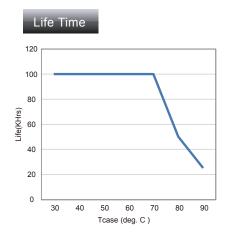
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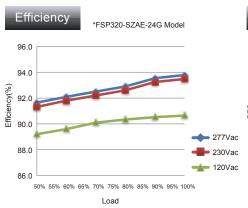
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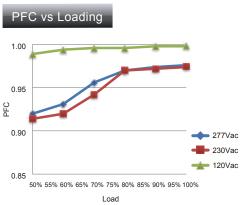


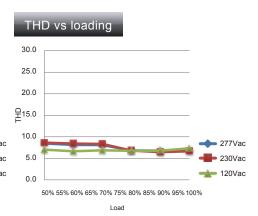






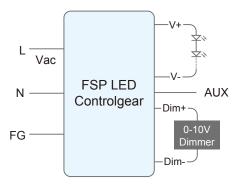


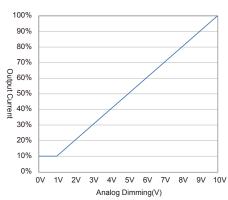




0-10V Dimming Curve

*Direct connecting to LEDs is suggested





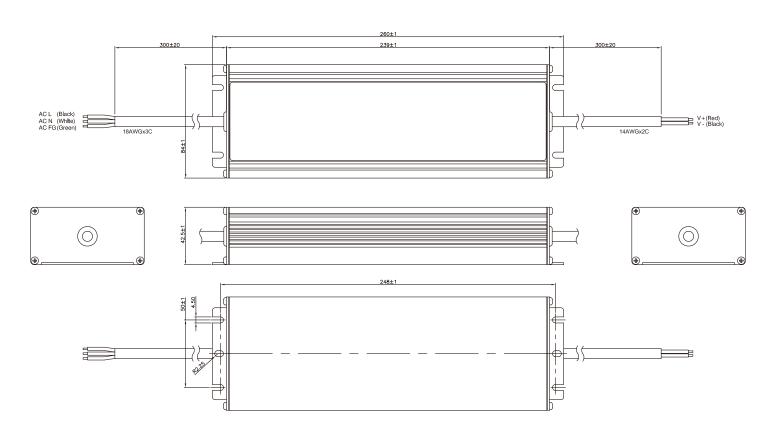
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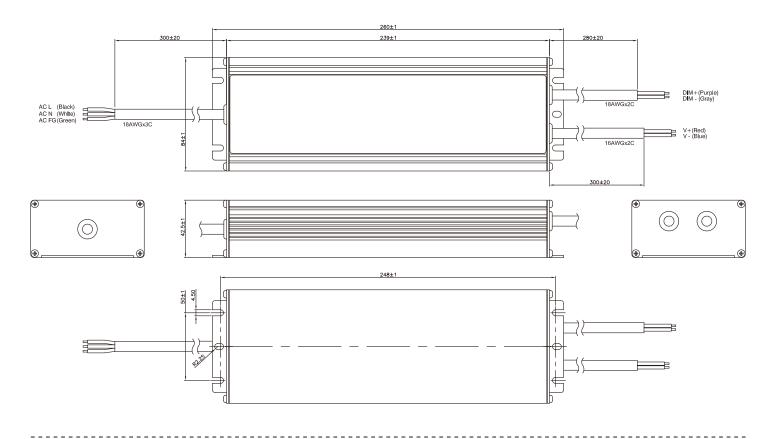


G Type: FSP320-SZAE-XXG

Unit: mm



MG Type: FSP320-SZAE-XXMG



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