

LED Driver

LP1060-xx-GG-290 Series Switch-Mode LED Driver	
Total Power	60 Watts
Input Voltages	90-264 VAC
Number of Outputs	One

Product Specifications

ANZ#: Z093a, February 15, 2007

SPECIAL FEATURES		ELECTRICAL SPECIFICATIONS	
- UL1310, Class 2 recognized - Single output, ranged from 7V up to 24VDC - IP54 certified - Suitable for wet or damp locations - Designed for outdoor or indoor applications - Built-in junction boxes for easy installation - Compact, lightweight w/ aluminum case - Active PFC to reduce power consumption		Input range 90 to 264 VAC, Full range Frequency 47 to 63 Hz Power Factor > 0.90 at full load, 115VAC Inrush current 40.0 Amps maximum at 230VAC, cold start, 25° C Input current 1.0Amps maximum at 90VAC Efficiency 80% typical at 230VAC and maximum load EMI filtering 47CFR, Part 2, Part 15 and Cisp PUB, 22 Class A Maximum power 60W Current Accuracy ±1% Load regulation ±3% Ripple/Noise 1% Leakage Current 500uA typ. Hold up time Half cycle minimum at 120 VAC and 80% of rated load Protection Over-voltage, Over current and Short circuit protection: Auto-recovery	
ENVIRONMENTAL		SAFETY	
Operating temperature: -25 to 70 ° C (De-rating : 1% per ° C from 50°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 Cisp PUB, 22 Class A		UL UL1310, Class 2 certified,E234571 UL UL48, Class 2 certified, E249377 CE Certified	

MODEL INFORMATION – SINGLE OUTPUT									
Model	Constant Voltage Mode			Constant Current Mode			Max. Output (W)	OCP (A)	OVP (V)
	Adjustable Vdc (V)	Max. Output (A)		Working Vdc (V)	Output Range (A)				
		50°C	70°C		50°C	70°C			
LP1060-24-GG-290	18 ~ 24	2.50	2.00	13 ~ 24	1.75~2.5	1.75~2.0	60	3 ~ 3.5	28 ~ 33
LP1060-23-GG-290	18 ~ 23	2.60	2.10	13 ~ 23	1.75~2.6	1.75~2.1			
LP1060-22-GG-290	18 ~ 22	2.73	2.20	13 ~ 22	1.75~2.73	1.75~2.2			
LP1060-21-GG-290	14 ~ 21	2.85	2.30	11 ~ 21	2.00~2.85	2.0~2.3			
LP1060-20-GG-290	14 ~ 20	3.00	2.40	11 ~ 20	2.0~3.0	2.0~2.4	60	3.4 ~ 4	25 ~29
LP1060-19-GG-290	14 ~ 19	3.15	2.50	11 ~ 19	2.0~3.15	2.0~2.5			
LP1060-18-GG-290	14 ~ 18	3.33	2.70	11 ~ 18	2.0~3.33	2.0~2.7			
LP1060-17-GG-290	10 ~ 17	3.50	2.80	9 ~ 17	2.45~3.5	2.45~2.8			
LP1060-16-GG-290	10 ~ 16	3.75	3.00	9 ~ 16	2.45~3.75	2.45~3.0	60	4.2 ~ 5	20 ~24
LP1060-15-GG-290	10 ~ 15	4.00	3.20	9 ~ 15	2.45~4.0	2.45~3.2			
LP1060-14-GG-290	10 ~ 14	4.25	3.40	9 ~ 14	2.45~4.25	2.45~3.4			
LP1060-13-GG-290	7 ~ 13	4.60	3.70	7 ~ 13	3.20~4.6	3.2~3.7			
LP1060-12-GG-290	7 ~ 12	5.00	4.00	7 ~ 12	3.2~5.0	3.2~4.0	60	6 ~ 7	15 ~ 18
LP1060-10-GG-290	7 ~ 10	5.00	5.00	7 ~ 10	3.2~5.0	3.2~5.0			

MECHANICAL DRAWING

Model Information – Single DC output

LP1060-XX-YZ-E

- XX – Voltage rating, 07, 08, 09, 10 24.
- Y – AC input side plate options, refer to drawing for more details
- Z – DC output side plate options, refer to drawing for more details
- E – Aluminum enclosure length, 170, 240, 290.