

**SPECIFICATION**

MODEL		HBG-240-24□	HBG-240-36□	HBG-240-48□	HBG-240-60□
OUTPUT	DC VOLTAGE	24V	36V	48V	60V
	CONSTANT CURRENT REGION Note.2	14.4 ~ 24V	21.6 ~ 36V	28.8 ~ 48V	36 ~ 60V
	RATED CURRENT	10A	6.7A	5A	4.0A
	RATED POWER Note.5	240W	240W	240W	240W
	RIPPLE & NOISE (max.) Note.3	150mVp-p	250mVp-p	250mVp-p	350mVp-p
	CURRENT ADJ. RANGE	Adjustable for A-Type (via built-in potentiometer)			
		6 ~ 10A	4.0 ~ 6.7A	3 ~ 5A	2.4 ~ 4.0A
	VOLTAGE TOLERANCE Note.4	±2.0%			
	LINE REGULATION	±0.5%			
	LOAD REGULATION	±0.5%			
SETUP, RISE TIME Note.6	500ms, 120ms /230VAC 2500ms, 120ms /115VAC				
HOLD UP TIME (Typ.)	15ms /115VAC, 230VAC				
INPUT	VOLTAGE RANGE Note.5	90 ~ 305VAC 127 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)			
	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR	PF>0.98/115VAC, PF>0.95/230VAC, PF>0.93/277VAC@full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)			
	TOTAL HARMONIC DISTORTION	THD< 20% (@load≥60%/115VAC, 230VAC; @load≥80%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)			
	EFFICIENCY (Typ.)	92.5%	92.5%	93%	93.5%
	AC CURRENT (Typ.)	2.5A / 115VAC	1.3A / 230VAC	1.2A / 277VAC	
	INRUSH CURRENT (Typ.)	COLD START 75A(twidth=680μs measured at 50% Ipeak) at 230VAC; Per NEMA 410			
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	2 units (circuit breaker of type B) / 3 units (circuit breaker of type C) at 230VAC			
	LEAKAGE CURRENT	<0.75mA / 277VAC			
PROTECTION	OVER CURRENT	95 ~ 108% Constant current limiting, recovers automatically after fault condition is removed			
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed			
	OVER VOLTAGE	27 ~ 34V	43 ~ 52V	52 ~ 63V	62 ~ 85V
		Shut down and latch off o/p voltage, re-power on to recover			
	OVER TEMPERATURE	Shut down o/p voltage, recovers automatically after temperature goes down			
ENVIRONMENT	WORKING TEMP.	Tcase=-40 ~ +75°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)			
	MAX. CASE TEMP.	Tcase=+75°C			
	WORKING HUMIDITY	20 ~ 95% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH			
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)			
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes			
SAFETY & EMC	SAFETY STANDARDS	UL8750, CSA C22.2 No.250.13-12, ENEC EN61347-1, EN61347-2-13 independent, EN62384; IP65 or IP67 approved			
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC			
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH			
	EMC EMISSION Note.8	Compliance to EN55015, EN61000-3-2 Class C (@load ≥ 75%); EN61000-3-3			
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61547, light industry level (surge immunity:Line-Earth:4KV, Line-Line:2KV)			
OTHERS	MTBF	663.8K hrs min. Telcordia SR-332 (Bellcore); 190.7Khrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	φ 191.5mm *69mm (D * H)			
	PACKING	2.1Kg; 8pcs/18.3Kg/2.09CUFT			
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated current and 25°C of ambient temperature.</p> <p>2. Please refer to "DRIVING METHODS OF LED MODULE".</p> <p>3. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</p> <p>4. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>5. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.</p> <p>6. Length of set up time is measured at cold first start. Turning ON/OFF the driver may lead to increase of the set up time.</p> <p>7. The driver 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.</p> <p>8. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED driver can only be used behind a switch without permanently connected to the mains.</p> <p>9. This series meets the typical life expectancy of &gt;50,000 hours of operation when Tcase, particularly (Ⓢ) point (or TMP, per DLC), is about 70°C or less.</p> <p>10. Please refer to the warranty statement on MEAN WELL's website at <a href="http://www.meanwell.com">http://www.meanwell.com</a></p>				