

**SPECIFICATION**

MODEL		HBG-100-24□	HBG-100-36□	HBG-100-48□	HBG-100-60□
OUTPUT	RATED CURRENT	4A	2.7A	2A	1.6A
	RATED POWER	96W	97.2W	96W	96W
	CONSTANT CURRENT REGION <small>Note.2</small>	14.4 ~ 24V	21.6 ~ 36V	28.8 ~ 48V	36 ~ 60V
	OPEN CIRCUIT VOLTAGE(max.)	25V	37V	49V	62V
	CURRENT ADJ. RANGE	Adjustable for A-Type (via built-in potentiometer)			
		2.4 ~ 4A	1.62 ~ 2.7A	1.2 ~ 2A	1.0 ~ 1.6A
	CURRENT RIPPLE	5.0% max. @rated current			
	CURRENT TOLERANCE	±5.0%			
SETUP TIME <small>Note.4</small>	2000ms / 115VAC    500ms / 230VAC				
INPUT	VOLTAGE RANGE <small>Note.3</small>	90 ~ 305VAC    127 ~ 431VDC (Please refer to "STATIC CHARACTERISTIC" section)			
	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR	PF>0.96/115VAC, PF>0.96/230VAC, PF>0.94/277VAC@full load (Please refer to "POWER FACTOR (PF) CHARACTERISTIC" section)			
	TOTAL HARMONIC DISTORTION	THD< 20%(@load≥60%/115VC,230VAC; @load≥75%/277VAC) (Please refer to "TOTAL HARMONIC DISTORTION(THD)" section)			
	EFFICIENCY (Typ.)	90.5%	91%	91%	91.5%
	AC CURRENT (Typ.)	1.1A / 115VAC    0.5A / 230VAC    0.45A / 277VAC			
	INRUSH CURRENT (Typ.)	COLD START 60A(twidth=415µs measured at 50% Ipeak) at 230VAC; Per NEMA 410			
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	4 units (circuit breaker of type B) / 8 units (circuit breaker of type C) at 230VAC			
	LEAKAGE CURRENT	<0.75mA / 277VAC			
PROTECTION	OVER CURRENT	95 ~ 108% Constant current limiting			
	OVER VOLTAGE	28 ~ 35V	41 ~ 49V	54 ~ 63V	65 ~ 75V
		Shut down o/p voltage re-power on to recovery			
	OVER TEMPERATURE	Shut down o/p voltage re-power on to recovery			
ENVIRONMENT	WORKING TEMP.	Tcase=-40 ~ +85°C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)			
	MAX. CASE TEMP.	Tcase=+85°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(type"HL"),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 <small>Note.8</small>	Compliance to EN55015, EN61000-3-2 Class C (@load ≥ 60%); 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	985.6K hrs min. Telcordia SR-332 (Bellcore); 300Khrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	φ 130mm *66.5mm (D * H)			
	PACKING	1.18Kg; 12pcs/15.7Kg/1.43CUFT(Blank/A/B Type),1.89CUFT(E Type)			
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. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" sections for details.</p> <p>4. 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>5. 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>6. 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>7. This series meets the typical life expectancy of &gt;50,000 hours of operation when Tcase, particularly (tc) point (or TMP, per DLC), is about 75°C or less.</p> <p>8. Please refer to the warranty statement on MEAN WELL's website at <a href="http://www.meanwell.com">http://www.meanwell.com</a></p>				