

Наличие и актуальные цены на

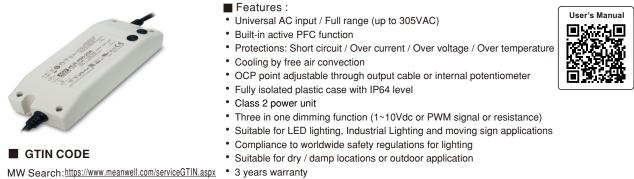
HLN-40H-54B

https://www.mean-well.ru/store/HLN-40H-54B/



40W Single Output Switching Power Supply

HLN-40H series



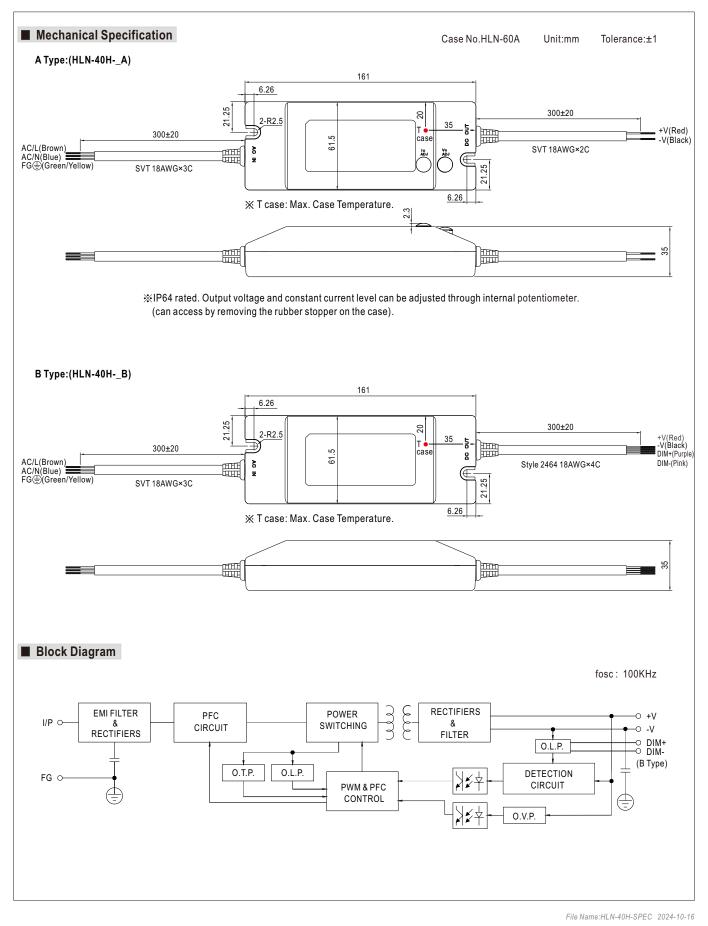
 HLN-40H-12 A
 A : IP64 rated. Output voltage and constant current level can be adjusted through internal potentiometer.

 B : IP64 rated. Constant current level adjustable through output cable with 1~10Vdc or 10V PWM signal or resistance.

MODEL		HLN-40H-12	HLN-40H-15	HLN-40H-20	HLN-40H-24 🗌	HLN-40H-30	HLN-40H-36	HLN-40H-42	HLN-40H-48	HLN-40H-54				
	DC VOLTAGE	12V	15V	20V	24V	30V	36V	42V	48V	54V				
	CONSTANT CURRENT REGION Note.4	7.2~12V	9~15V	12 ~ 20V	14.4 ~ 24V	18~30V	21.6 ~ 36V	25.2 ~ 42V	28.8 ~ 48V	32.4 ~ 54V				
	RATED CURRENT	3.33A	2.67A	2A	1.67A	1.34A	1.12A	0.96A	0.84A	0.75A				
	RATED POWER	40W	40W	40W	40.1W	40.2W	40.3W	40.3W	40.3W	40.5W				
	RIPPLE & NOISE (max.) Note.2	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p	200mVp-p	300mVp-p	300mVp-p	300mVp-p				
	VOLTAGE ADJ. RANGE Note.6	10.8 ~ 13.5V	13.5 ~ 17V	17 ~ 22V	22 ~ 27V	27 ~ 33V	33~40V	40~46V	44 ~ 53V	49~58V				
OUTPUT		Can be adjust	ted by internal	potentiometer	A type only									
	CURRENT ADJ. RANGE	2~3.33A	1.6~2.67A	1.2 ~ 2A	1~1.67A	0.8~1.34A	0.67 ~ 1.12A	0.58~0.96A	0.5~0.84A	0.45 ~ 0.75				
	VOLTAGE TOLERANCE Note.3	±2.5%	±2.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%				
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%				
	LOAD REGULATION	±2.0%	±1.5%	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%				
	SETUP, RISE TIME Note.7	500ms, 80ms	at full load	230VAC / 11	5VAC	1			1					
	HOLD UP TIME (Typ.)	16ms/230VA	C 16ms/1	115VAC at full	load									
	VOLTAGE RANGE Note.5	90 ~ 305VAC 127 ~ 431VDC												
	FREQUENCY RANGE	47~63Hz												
	POWER FACTOR (Typ.)	PF>0.98/115	PF>0.98/115VAC, PF>0.95/230VAC, PF>0.92/277VAC at full load (Please refer to "Power Factor Characteristic" curve)											
	TOTAL HARMONIC DISTORTION	THD<20% when output loading≧60% at 115VAC/230VAC input and output loading≧75% at 277VAC input												
INPUT	EFFICIENCY (Typ.)	86.5% 86.5% 87.5% 88% 88.5% 88.5% 88.5% 89%												
	AC CURRENT (Typ.)	0.43A / 115VAC 0.24A / 230VAC 0.23A / 277VAC												
	INRUSH CURRENT(Typ.)	COLD START 50A(twidth=210µs measured at 50% Ipeak) at 230VAC												
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	12 units (circuit breaker of type B) / 20 units (circuit breaker of type C) at 230VAC												
	LEAKAGE CURRENT	<0.75mA/277VAC												
			95~108%											
	OVER CURRENT Note.4	95 ~ 106% Protection type : Constant current limiting, recovers automatically after fault condition is removed												
PROTECTION	SHORT CIRCUIT							o romovou						
		Hiccup mode, recovers automatically after fault condition is removed 15~21V 18~24V 23~30V 28~35V 35~43V 41~49V 48~58V 54~65V 59~68V Protection type : Shut down o/p voltage, re-power on to recover												
	OVER VOLTAGE													
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover												
	WORKING TEMP.	-40 ~ +50°C (Refer to "Derating Curve")												
	WORKING HUMIDITY	-40 ~ +50°C (Refer to "Derating Curve") 20 ~ 95% RH non-condensing												
ENVIRONMENT	STORAGE TEMP., HUMIDITY	20 ~ 95% RH non-condensing -40 ~ +80°C, 10 ~ 95% RH												
	TEMP. COEFFICIENT													
	VIBRATION	±0.03%/°C (0 ~ 40°C) 10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes												
	SAFETY STANDARDS	UL8750, CSA	C22.2 No. 250	0.0-08 , BS EN/	EN 61347-1, B	S EN/EN 61347	7-2-13 indepen	dent, IP64,						
		EAC TP TC 004 approved ; design refer to UL60950-1, BS EN/EN60335-1												
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC												
EMC	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH Compliance to BS EN/EN55015, BS EN/EN61000-3-2 Class C (≧60% load) ; BS EN/EN61000-3-3, EAC TP TC 020												
	EMC EMISSION			,		`	,,	,		`				
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11; BS EN/EN61547, BS EN/EN55024, light industry level (surge 4KV), EAC TP TC 020												
	MTBF	3396.4K hrs min. Telcordia SR-332(Bellcore) ; 346.2K hrs min. MIL-HDBK-217F (25° C)												
OTHERS	DIMENSION	161*61.5*35mm (L*W*H)												
	PACKING		•											
NOTE	PACKING 0.35Kg;32pcs/12.2Kg/1.10CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12° twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. Please refer to "DRIVING METHODS OF LED MODULE". 5. Derating may be needed under low input voltages. Please check the static characteristics for more details. 6. A type only. 7. Length of set up time is measured at cold first start. Turning ON/OFF the power supply may lead to increase of the set up time. 8. 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. (as available on https://www.meanwell.com//lpload/PDF/EMI statemet_en.pdf) 9. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connected to the mains. 10. The ambient temperature derating of 3.5°C/1000m with fanless models and 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). 11. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/l/lplad/PDF/LED EN.pdf													



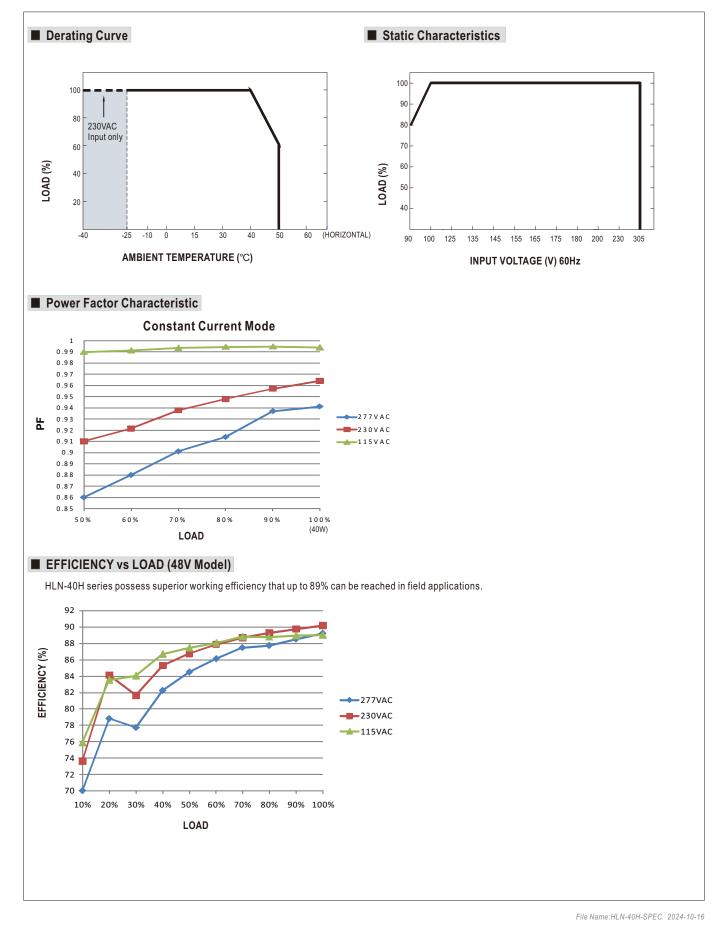
HLN-40H series





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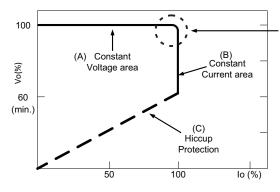
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DRIVING METHODS OF LED MODULE

There are two major kinds of LED drive method "direct drive" and "with LED driver".

A typical LED power supply may either work in "constant voltage mode (CV) or constant current mode (CC)" to drive the LEDs.

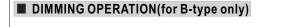
Mean Well's LED power supply with CV+ CC characteristic can be operated at both CV mode (with LED driver, at area (A) and CC mode (direct drive, at area (B).

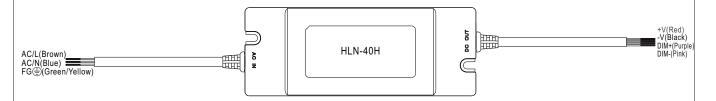


Typical LED power supply I-V curve

In the constant current region, the highest voltage at the output of the driver depends on the configuration of the end systems.

Should there be any compatibility issues, please contact MEAN WELL.





% Built-in 3 in 1 dimming function, IP64 rated. Output constant current level can be adjusted through output cable by connecting a resistance or 1 ~ 10Vdc or 10V PWM signal between DIM+ and DIM-.

※ Please DO NOT connect "DIM-" to "-V".

 $\label{eq:resistance} \ensuremath{\mathbb{R}} \ensuremath{\mathsf{R}} \ensuremath{\mathsf{R}} \ensuremath{\mathsf{e}} \ensuremath{\mathsf{res}} \ensuremath{\mathsf{s}} \ensuremath{\mathsf{res}} \ensuremath{$

Resistance value	Single driver	10KΩ	20KΩ	30KΩ	40KΩ	50KΩ	60KΩ	70KΩ	80KΩ	90KΩ	100KΩ	OPEN
	Multiple drivers (N=driver quantity for synchronized dimming operation)	10KΩ/N	20KΩ/N	30KΩ/N	40KΩ/N	50KΩ/N	60KΩ/N	70KΩ/N	80KΩ/N	90KΩ/N	100KΩ/N	
Percentage	e of rated current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95%~108%

% 1 ~ 10V dimming function for output current adjustment (Typical)

Percentage of rated current 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% 95%~108%	Dimming value	1V	2V	3V	4V	5V	6V	7V	8V	9V	10V	OPEN
	Percentage of rated current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95%~108%

※ 10V PWM signal for output current adjustment (Typical): Frequency range:100Hz ~ 3KHz

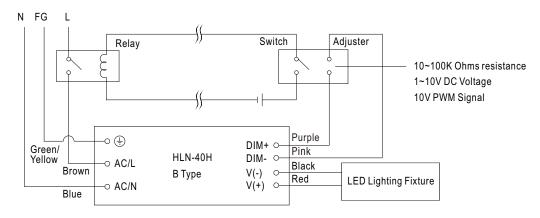
Duty value	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	OPEN
Percentage of rated current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	95%~108%



HLN-40H series

%Using the built-in dimming function on B-type model can't turn the lighting fixture totally dark. Please refer to the connection method below to achieve 0% brightness of the lighting fixture connecting to the LED power supply unit. *Direct connecting to LEDs is suggested, but is not suitable for using additional drivers.

Dimming connection diagram for turning the lighting fixture ON/OFF :



Using a switch and relay can turn ON/OFF the lighting fixture.

1. Output constant current level can be adjusted through output cable by connecting a resistance or 1~10Vdc or 10V PWM signal between DIM+ and DIM-. 2. The LED lighting fixture can be turned ON/OFF by the switch.