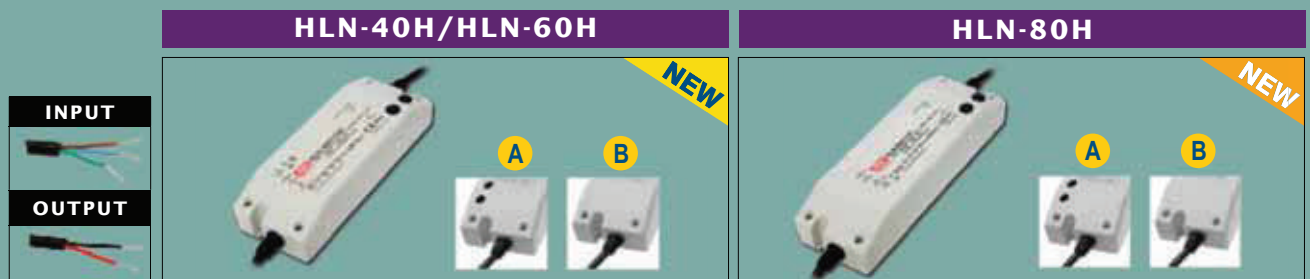


HLN series

40~80W Single Output Class 2 with PFC

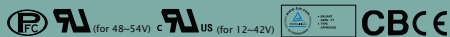
Features

- Universal AC input (up to 305VAC) / Full range
- Fully isolated plastic case with IP64 level
- Built-in active PFC function, PF > 0.9 for 60% of load or higher
- Protections:
 - Short circuit / Over current / Over voltage / Over temperature
- Built-in constant current limiting circuit (C.V.+C.C. mode)
- Class 2 power unit
- High efficiency up to 91%
- Cooling by free air convection
- Suitable for dry, damp location
- Suitable for LED lighting and moving sign applications
- Multiple models for choice:
 - A-Type: IP64 rated. Output and constant current level can be adjusted through internal potentiometer
 - B-Type: IP64 rated and built-in 3 in 1 dimming function (1-10VDC, PWM signal, or resistance)
- 3 years warranty



AC input voltage range	90~305VAC; 127~431VDC	
AC inrush current (max.)	Cold start, 70A at 230VAC	
DC adjustment range	±10% rated output voltage (Type A only)	
Current adjustment range	60%~100% rated output current adjustable by internal potentiometer or through output cable	
Over current protection	95%~108% constant current limiting, auto-recovery	
Over voltage protection	109%~145% rated output voltage	
Setup, rise, hold up time	1000ms, 80ms, 16ms at full load and 230VAC	
Withstand voltage	I/P-O/P: 3.75kVAC, I/P-FG: 1.88kVAC, O/P-FG: 0.5kVAC	
Working temperature	-40~+50°C (refer to output derating curve)	
Safety standards	UL8750, TUV EN61347-1, EN61347-2-13 approved; Design refer to UL/EN60950-1, EN60335-1 for HLN-40H/60H UL8750, TUV EN61347-1, EN61347-2-13, PSE J61347-1, J61347-2-13 for HLN-80H	
EMC standards	EN55015, EN61000-3-2 class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, EN55024	
Connection	Input	UL rated, SVT 18AWGx3C (30cm)
	Output	A Type: UL rated, SVT 18AWGx2C (30cm) ; B Type: UL rated, SVT 18AWGx4C (30cm)
Dimension (LxWxH) (mm)	161 x 61.5 x 35	181 x 61.5 x 35

HLN-40H Series



Model No.	Output	Tol.	R&N	Effi.
HLN-40H-12(A)	12V, 0~3.33A	±2.5%	150mV	86.5%
HLN-40H-15(A)	15V, 0~2.67A	±2.0%	150mV	86.5%
HLN-40H-20(A)	20V, 0~2.00A	±1.0%	150mV	87.5%
HLN-40H-24(A)	24V, 0~1.67A	±1.0%	150mV	88.0%
HLN-40H-30(A)	30V, 0~1.34A	±1.0%	200mV	88.5%
HLN-40H-36(A)	36V, 0~1.12A	±1.0%	200mV	88.5%
HLN-40H-42(A)	42V, 0~0.96A	±1.0%	200mV	88.5%
HLN-40H-48(A)	48V, 0~0.84A	±1.0%	300mV	89.0%
HLN-40H-54(A)	54V, 0~0.75A	±1.0%	300mV	89.0%

○ = A or B

HLN-60H Series

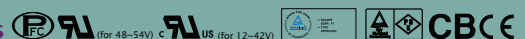


Model No.	Output	Tol.	R&N	Effi.
HLN-60H-15(A)	15V, 0~4.0A	±2.0%	150mV	87.0%
HLN-60H-20(A)	20V, 0~3.0A	±1.0%	150mV	88.5%
HLN-60H-24(A)	24V, 0~2.5A	±1.0%	150mV	89.0%
HLN-60H-30(A)	30V, 0~2.0A	±1.0%	200mV	89.5%

Model No.	Output	Tol.	R&N	Effi.
HLN-60H-36(A)	36V, 0~1.70A	±1.0%	200mV	90.0%
HLN-60H-42(A)	42V, 0~1.45A	±1.0%	200mV	90.0%
HLN-60H-48(A)	48V, 0~1.30A	±1.0%	300mV	90.5%
HLN-60H-54(A)	54V, 0~1.15A	±1.0%	300mV	90.5%

○ = A or B

HLN-80H Series



Model No.	Output	Tol.	R&N	Effi.
HLN-80H-12(A)	12V, 0~5.0A	±2.5%	150mV	88.0%
HLN-80H-15(A)	15V, 0~5.0A	±2.0%	150mV	89.0%
HLN-80H-20(A)	20V, 0~4.0A	±1.0%	150mV	90.0%
HLN-80H-24(A)	24V, 0~3.4A	±1.0%	150mV	90.5%
HLN-80H-30(A)	30V, 0~2.7A	±1.0%	200mV	91.0%
HLN-80H-36(A)	36V, 0~2.3A	±1.0%	200mV	91.0%
HLN-80H-42(A)	42V, 0~1.95A	±1.0%	200mV	91.0%
HLN-80H-48(A)	48V, 0~1.7A	±1.0%	200mV	91.0%
HLN-80H-54(A)	54V, 0~1.5A	±1.0%	200mV	91.0%

○ = A or B