



Features

- Universal AC input / Full range (up to 305VAC for HLP-80H)
- Protections: Short circuit / Overload / Over voltage / Over temperature (PLP-20 / HLP-80H)
- Built-in active PFC function, PF>0.9 for 75% of load or higher
- Cooling by free air convection
- Built-in constant current limiting circuit (C.C.+C.V. mode)
- Output constant current level adjustable
- Built-in 3 in 1 dimming function (1~10VDC, PWM signal or resistance) for HLP-80H
- 100% full load burn-in test
- Suitable for building in LED lighting systems
- 2 years warranty (PLP-20/30/45/60)
- 3 years warranty (HLP-80H)

General Specification (Please refer to www.meanwell.com for detail spec.)



Model No.	PLP-20 NEW	PLP-30	PLP-45	PLP-60	HLP-80H Under Development
AC input voltage range	90~277VAC; 127~392VDC	90~264VAC; 127~370VDC			90~305VAC; 127~431VDC
AC inrush current (max.)	Cold start, 40A at 230VAC			Cold start, 42A at 230VAC	Cold start, 70A at 230VAC
Current adjustment range	75%~100% rated output current				50% ~ 100% rated output current
Overload Protection	Range	95%~110%	100% ~ 110%		95% ~ 108%
	Type	Constant current limiting, auto-recovery			
Over voltage protection	115%~135% shut off, re-power on to recover				
Setup, rise, hold up time	2300ms, 200ms at full load and 230VAC, no hold up time	1000ms(setup time) at full load and 230VAC, no hold up time			1000ms, 80ms at full load and 230VAC
Withstand voltage	I/P-O/P: 3.75kVAC	I/P-O/P: 3.75kVAC, I/P-FG: 1.88kVAC, O/P-FG: 0.5kVAC			
Working temperature	-30~+60°C	-30~+70°C (refer to output derating curve)		-40~+70°C	
Safety standards	TUV EN61347-1, EN61347-2-13, UL8750 (PLP-20 only) approved (HLP-80H pending)				
EMC standards	EN55015, EN61000-3-2 Class C, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547, EN55022 Class B				
Connection	UL rated, 18AWGx2C (30cm)	3+2P / 3.96mm pitch, JST P/N: B3P / B2P-VH			5+6P / 3.96mm pitch, JST P/N: B5P/B6P-VH
Dimension (LxWxH)(mm)	140x 32x 22	101.6x 50.8x 26.6	101.6x 50.8x 29.6	162x 53x 28	

20W

NEW PLP-20

Model No.	Output	Tol.	R&N	Effi.
PLP-20-12	12V, 0~1.6A	±10%	2.5V	80.0%
PLP-20-18	18V, 0~1.1A	±10%	3.0V	81.0%
PLP-20-24	24V, 0~0.8A	±10%	3.0V	82.0%
PLP-20-36	36V, 0~0.55A	±10%	3.0V	83.0%
PLP-20-48	48V, 0~0.42A	±10%	3.8V	83.5%

60W

PLP-60

Model No.	Output	Tol.	R&N	Effi.
PLP-60-12	12V, 0~5.0A	±10%	4.5V	84%
PLP-60-24	24V, 0~2.5A	±10%	4.5V	88%
PLP-60-48	48V, 0~1.3A	±10%	4.8V	89%

30W

PLP-30

Model No.	Output	Tol.	R&N	Effi.
PLP-30-12	12V, 0~2.5A	±10%	2.0V	83.0%
PLP-30-24	24V, 0~1.3A	±10%	2.4V	85.5%
PLP-30-48	48V, 0~0.63A	±10%	4.8V	86.5%

45W

PLP-45

Model No.	Output	Tol.	R&N	Effi.
PLP-45-12	12V, 0~3.8A	±10%	4.2V	86%
PLP-45-24	24V, 0~1.9A	±10%	3.8V	89%
PLP-45-48	48V, 0~0.95A	±10%	4.8V	89%

80W

Under Development HLP-80H

Model No.	Output	Tol.	R&N	Effi.
HLP-80H-12	12V, 0~5.00A	±2.5%	150mV	88.0%
HLP-80H-15	15V, 0~5.00A	±2.0%	150mV	89.0%
HLP-80H-20	20V, 0~4.00A	±1.0%	150mV	90.5%
HLP-80H-24	24V, 0~3.40A	±1.0%	150mV	91.0%
HLP-80H-30	30V, 0~2.70A	±1.0%	200mV	91.0%
HLP-80H-36	36V, 0~2.30A	±1.0%	200mV	91.0%
HLP-80H-42	42V, 0~1.95A	±1.0%	200mV	91.0%
HLP-80H-48	48V, 0~1.70A	±1.0%	200mV	91.0%
HLP-80H-54	54V, 0~1.50A	±1.0%	200mV	91.0%