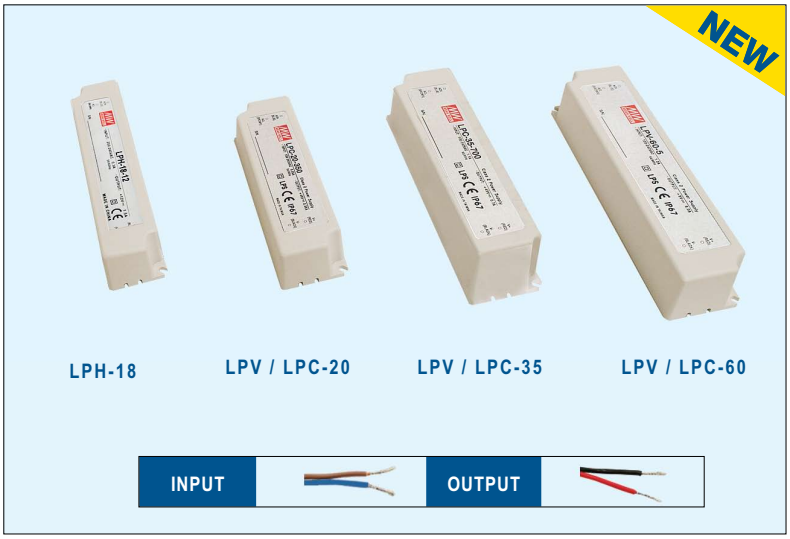
LP Series

18~60W Single Output Class 2 Power Unit



Features

- Universal AC input / Full range (LPV / LPC)
- 180~264VAC input only (LPH-18)
- Fully isolated plastic case
- Protections: Short circuit / Overload / Over voltage
- Over temperature protection (LPH-18 only)
- IP66 design
- Constant voltage mode for LPV and LPH series
- Constant current mode for LPC series
- Withstand 300VAC surge input for 5 seconds
- Two wire input style, no F.G.
- Cooling by free air convection
- 100% full load burn-in test
- Low cost, high reliability
- Suitable for LED lighting and moving sign applications
- 2 years warranty

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

Model No.		LPH-18	LPC-20	LPV-20	LPC-35	LPV-35	LPC-60	LPV-60
AC input voltage range		180~264VAC	90~264VAC					
AC inrush current (max.)		Cold start, 40A at 230VAC	Cold start, 65A at 230VAC		Cold start, 60A at 230VAC			
Overload Protection	Range	>105%	±5%	110%~150%	±5%	110%~150%	±5%	110%~150%
	Type	Hiccup mode, auto-recovery	Constant current limiting, auto-recovery	Hiccup mode, auto-recovery	Constant current limiting, auto-recovery	Hiccup mode, auto-recovery	Constant current limiting, auto-recovery	Hiccup mode, auto-recovery
Over voltage protection		115~135% rated output voltage						
Withstand voltage		I/P-O/P: 3KVAC						
Working temperature		-30~+70°C (refer to output derating curve)						
Vibration		10~500Hz, 5G 10min/1 cycle, period for 60 min each along X, Y, Z axes						
Safety standards		Design refer to UL1310 class 2, TUV EN60950-1, EN61347-2-13						
EMC standards		EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, ENV50204						
Connection (Input/Output)		UL rated, 18AWGx2C (30cm)	UL rated, 18AWGx2C (60cm)		UL rated, 16AWGx2C (60cm)			
Dimension (L*W*H)(mm)		140x 30x 20	118x 35x 26		148x 40x 30		162x 42x 30	

20W (C.V. mode) LPV-20

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11561	LPV-20-5	5V, 0~3.0A	±5%	80mV	77%
11562	LPV-20-12	12V, 0~1.67A	±5%	120mV	81%
11563	LPV-20-15	15V, 0~1.33A	±5%	120mV	83%
11564	LPV-20-24	24V, 0~0.84A	±5%	150mV	83%

35W (C.V. mode) LPV-35

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11581	LPV-35-5	5V, 0~6.0A	±6%	80mV	74%
11582	LPV-35-12	12V, 0~3.0A	±5%	120mV	82%
11583	LPV-35-15	15V, 0~2.4A	±5%	120mV	83%
11584	LPV-35-24	24V, 0~1.5A	±5%	150mV	86%
11585	LPV-35-36	36V, 0~1.0A	±5%	150mV	86%

60W (C.V. mode) LPV-60

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11601	LPV-60-5	5V, 0~8.00A	±8%	80mV	78%
11602	LPV-60-12	12V, 0~5.00A	±5%	120mV	82%
11603	LPV-60-15	15V, 0~4.00A	±5%	120mV	83%
11604	LPV-60-24	24V, 0~2.50A	±5%	150mV	86%
11605	LPV-60-36	36V, 0~1.67A	±5%	150mV	86%
11606	LPV-60-48	48V, 0~1.25A	±5%	150mV	86%

18W (C.V. mode) LPH-18

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11551	LPH-18-12	12V, 0~1.5A	±5%	120mV	76%
11552	LPH-18-24	24V, 0~0.75A	±5%	150mV	79%
11553	LPH-18-36	36V, 0~0.5A	±5%	200mV	80%

20W (C.C. mode) LPC-20

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11571	LPC-20-350	3~48V, 350mA	±5%	200mV	80%
11572	LPC-20-700	3~30V, 700mA	±5%	200mV	80%

35W (C.C. mode) LPC-35

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11591	LPC-35-700	3~48V, 700mA	±5%	200mV	80%
11592	LPC-35-1050	3~30V, 1050mA	±5%	200mV	80%
11593	LPC-35-1400	3~24V, 1400mA	±5%	200mV	80%

60W (C.C. mode) LPC-60

Stock No.	Model No.	Output	Tol.	R&N	Effi.
11611	LPC-60-1050	3~48V, 1050mA	±5%	200mV	80%
11612	LPC-60-1400	3~42V, 1400mA	±5%	200mV	80%
11613	LPC-60-1750	3~34V, 1750mA	±5%	200mV	80%