

Features :

- Constant voltage design
- Universal AC input / Full range
- Fully encapsulated with IP67 level (Note.7)
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage
- Fully isolated plastic case
- Cooling by free air convection
- 100% full load burn-in test
- Low cost, high reliability
- Suitable for LED related fixture or appliance
- (such as LED Decoration or Advertisement devices)(Note.11)
- 2 years warranty

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SPECIFICATION

		LPV-100-12	LPV-100-15	LPV-100-24	LPV-100-36	LPV-100-48
DC VOLTAGE	5V	12V	15V	24V	36V	48V
RATED CURRENT	12A	8.5A	6.7A	4.2A	2.8A	2.1A
CURRENT RANGE	0~12A	0~8.5A	0~6.7A	0~4.2A	0~2.8A	0~2.1A
RATED POWER	60W	102W	100.5W	100.8W	100.8W	100.8W
RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	120mVp-p	150mVp-p	150mVp-p	150mVp-p
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LOAD REGULATION	±6.0% ±2.0%					
SETUP, RISE TIME Note.6						
	50ms/230VAC 14ms/115VAC at full load					
	47 ~ 63Hz					
		85%	87%	88%	88%	89%
,			0170	0070	0070	0070
	COLD START 75A(twidth=700µs measured at 50% Ipeak) at 230VAC 2 units (circuit breaker of type B) / 3 units (circuit breaker of type C) at 230VAC					
MAX. No. of PSUs on 16A						
	0.25mA/240\/AC					
LEARAGE CORRENT						
						55.2~64.8V
OVER VOLTAGE					41.4~40.0V	55.2 ~ 64.6 V
	-40 ~ +80°C , 10 ~ 95% RH					
VIBRATION						
SAFETY STANDARDS	EAC TP TC 004,IP67, IEC62368-1, BS EN/EN62368-1 approved					
	I/P-O/P:3KVAC					
ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH					
EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2 Class A(≤80% load), BS EN/EN61000-3-3, EAC TP TC					
EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11; BS EN/EN55035, light industry level, EAC TP TC 020					
MTBF	4497.1K hrs min. Telcordia SR-332 (Bellcore) ; 681.6K hrs min. MIL-HDBK-217F (25° C)					
DIMENSION	190*52*37mm (L*W*H)					
PACKING	0.63Kg;20pcs/13.	.6Kg/0.55CUFT				
 Ripple & noise are measured Tolerance : includes set up to Derating may be needed und The power supply is consider complete installation, the fina Length of set up time is meas Suitable for indoor use or out The ambient temperature der Products sourced from the Arian temperature data (https://www.meanwell.com/t This product is not intended 	I at 20MHz of band olerance, line regula der low input voltage red as a componen I equipment manufa sured at first cold si door use without di rating of 3.5°C/1000 mericas regions ma d IP water proof fur Jpload/PDF/LED_E for LED lighting lur	width by using a 12" ation and load regula e. Please check the s it that will be operate acturers must re-qual tart. Turning ON/OFF irect sunlight exposur 0m with fanless mode ay not have the TUV/ nction installation cau :N.pdf minaire applications i	twisted pair-wire termition. static characteristics fo d in combination with f lify EMC Directive on t the power supply ma re. els and of 5°C/1000m v BIS/CCC logo. Please tion, please refer our u n the EU.(In the EU th	nated with a 0.1uf & r more details. inal equipment. Since he complete installation y lead to increase of with fan models for op contact your MEAN iser manual before us	47uf parallel capacitor. EMC performance wi on again. the set up time. perating altitude higher WELL sales for more i ing.	II be affected by the than 2000m(6500ft). nformation.
	CURRENT RANGE RATED POWER RIPPLE & NOISE (max.) Note.2 VOLTAGE TOLERANCE Note.3 LINE REGULATION LOAD REGULATION SETUP, RISE TIME Note.6 HOLD UP TIME (Typ.) VOLTAGE RANGE Note.4 FREQUENCY RANGE EFFICIENCY (Typ.) AC CURRENT INRUSH CURRENT(Typ.) MAX. No. of PSUs on 16A CIRCUIT BREAKER LEAKAGE CURRENT OVER VOLTAGE WORKING TEMP. WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE ISOLATION RESISTANCE EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING 1. All parameters NOT specially 2. Ripple & noise are measured 3. Tolerance : includes set up to 4. Derating may be needed und 5. The power supply is consider complete installation, the fina 6. Length of set up time is meas 7. Suitable for indoor use or out 8. The ambient temperature def 9. Products sourced from the A 10. For any application note and https://www.meanwell.com/ 11. This product is not intended 12. R-41027766 (GZ factory) or	CURRENT RANGE 0 ~ 12A RATED POWER 60W RIPPLE & NOISE (max.) Note.2 80mVp-p VOLTAGE TOLERANCE Note.3 ±8.0% LINE REGULATION ±1.0% LOAD REGULATION ±6.0% SETUP, RISE TIME Note.6 POUD UP TIME (Typ.) 50ms/230VAC VOLTAGE RANGE Note.4 90 ~ 264VAC FREQUENCY RANGE 47 ~ 63Hz EFFICIENCY (Typ.) 80% AC CURRENT 2.2A/115VAC INRUSH CURRENT(Typ.) COLD START 75/ MAX. No. of PSUs on 16A 2 units (circuit bree CIRCUIT BREAKER 2 units (circuit bree LEAKAGE CURRENT 0.25mA / 240VAC OVER VOLTAGE 10 ~ 150% rated Protection type : 5 5.75 ~ 6.75V Protection type : 5 5.75 ~ 6.75V OVER VOLTAGE 10 ~ 300% RH non STORAGE TEMP., HUMIDITY 20 ~ 90% RH non STORAGE TEMP., HUMIDITY 40 ~ 480°C, 10 ~ 500Hz, 2G 10 SUBATION 10 ~ 500Hz, 2G 10 SAFETY STANDARDS UL8750, CSA C22 EAC TP TC 004, IF WITHSTAND VOLTAGE <td>CURRENT RANGE 0 ~ 12A 0 ~ 8.5A RATED POWER 60W 102W RIPPLE & NOISE (max.) Note.2 80mVp-p 120mVp-p VOLTAGE TOLERANCE Note.3 ±8.0% ±5.0% LINE REGULATION ±1.0% ±2.0% SETUP, RISE TIME Note.8 2000ms, 25ms / 230VAC 2000ms, 25 HOLD UP TIME (Typ.) 50ms/230VAC 14ms/115VAC at fr VOLTAGE RANGE Note.4 90 ~ 264VAC 127 ~ 370VDC FREQUENCY RANGE 47 ~ 63Hz EFFICIENCY (Typ.) 80% 85% AC CURRENT 2.2A/115VAC 1.2A/230VAC Immuseres INRUSH CURRENT(Typ.) COLD START 75A(twidth=700µs meas MAX. No. of PSUs on 16A 2 units (circuit breaker of type B) / 3 un CIRCUIT BREAKER 2 110 ~ 150% rated output power Protection type : Hiccup mode, recover OVER LOAD 110 ~ 150% rated output power Protection type : Shut down o/p voltage WORKING TEMP. -25 ~ +70°C (Refer to "Derating Curved WORKING TEMP. -40 ~ +80°C, 10 ~ 95% RH TEMP. COEFFICIENT ±0.03%/C (0 ~ 50°C) VIBR</td> <td>CURRENT RANGE 0 ~ 12A 0 ~ 8.5A 0 ~ 6.7A RATED POWER 60W 102W 100.5W RIPPLE & NOISE (max.) 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LED Driver • 100W MEAN WELL LPV-100H Series



