

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

## 回 IP67 <sup>IS 15865</sup> c和Jus E用[ C E CB 出版

## 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 ( $25^{\circ}$ C)					
DIMENSION	190*52*37mm (L*W*H)					
PACKING	0.63Kg;20pcs/13.	.6Kg/0.55CUFT				
<ol> <li>Ripple &amp; noise are measured</li> <li>Tolerance : includes set up to</li> <li>Derating may be needed und</li> <li>The power supply is consider complete installation, the fina</li> <li>Length of set up time is meas</li> <li>Suitable for indoor use or out</li> <li>The ambient temperature der</li> <li>Products sourced from the Arian temperature data (https://www.meanwell.com/t</li> <li>This product is not intended</li> </ol>	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 &amp; 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 &amp; NOISE (max.) Note.2         60W/0-p         120mVp-p         120mVp-p           VOLTAGE TOLERANCE Note.3         28.0%         ±5.0%         1           LIOR REGULATION         ±1.0%         ±2.0%         1           SETUP, RISE TIME         Note.6         2000ms, 25ms / 230VAC         2000ms, 25ms / 115VAC           HOLD UP TIME (Typ.)         50ms/230VAC         14ms/115VAC at full load           VOLTAGE RANGE         Note.4         90 ~ 264VAC         127 ~ 370VDC           FREQUENCY RANCE         47 ~ 63Hz         EFFICIENCY (Typ.)         80%         87%           AC CURRENT         2.2A/115VAC         1.2A/230VAC         IMAX. No. of PSUs on 16A         2 units (circuit breaker of type B) / 3 units (circuit breaker of type I) / 3 units (circuit breaker of type I) / 3 units (circuit breaker of type I) rotection type : Shut down of p voltage, re-power on to recow           OVER VOLTAGE         6.75 ~ 6.75V         13.8 ~ 16.2V         17.25 ~ 20.25V           OVER KOLTAGE         10 ~ 500/R RI on-condensing         500/R C (0 ~ 50°C)         VIBRATION           VIBRATION         10 ~ 500/R RI on-condensing         500/R C (0 ~ 50°C)         VIBRATION           &lt;</td> <td>CURRENT RANGE         0 = 12A         0 = 8.5A         0 = 6.7A         0 = 4.2A           RATED POWER         60W         102W         100.5W         100.8W           RIPPLE &amp; NOISE (max.) Note.2         80mVp-p         120mVp-p         120mVp-p         120mVp-p           VOLTAGE TOLERANCE Note.3         50.%         ±5.0%         120mVp-p         120mVp-p         120mVp-p           LOAD REGULATION         ±16.0%         ±2.0%         5         5         5         5           BETUP, RISE TIME         Note.6         90 = 284VAC         127 = 370VDC         5         5         5         6         6         6         6         6         6         6         6         6         6         6         7         6         7         6         7         6         7         6         7         6         7         6         7         6         7         6         7         6         7         6         8         8         8         8         6         7         6         7         6         7         6         7         7         7         7         7         7         7         7         7         7         7         7         7<td>CURRENT RANGE         0 - 12A         0 - 8.5A         0 - 6.7A         0 - 4.2A         0 - 2.8A           RATED POWER         60W         102W         100.5W         100.8W         100.8W           INPPLE &amp; NOISE (max,) Note: 26 M0%-pp         120mVp-p         150mVp-p         150mVp-p         150mVp-p           VOLTAGE TOLERANCE Note: 3         86.0%         ±5.0%         ±2.0%         550mVp-p         150mVp-p         150mVp-p           CLADA REGULATION         ±1.0%         ±2.0%         550m220VAC         200ms, 25ms / 115VAC         150mVp-p         150mVp-p           VOLTAGE RANGE         86.0%         ±2.0%         550m220VAC         200ms, 25ms / 115VAC         150mVp-p         150mVp-p           VOLTAGE RANGE         47 - 63H2         ±2.0%         550m220VAC         14ms115VAC at full load         VOLTAGE RANGE         47 - 63H2           EFFICIENCY (Typ.)         60%         85%         87%         88%         88%         68%           CURCUT REAKER         2.115VAC 1. 2A/230VAC         100m150m20m10m10m1         2.000m2 - 200VAC         100m20M2 - 200VAC         100m10mp10m2 - 20m20M2 - 200VAC         100m20M2 - 200VAC</td></td>	CURRENT RANGE         0 ~ 12A         0 ~ 8.5A           RATED POWER         60W         102W           RIPPLE & NOISE (max.) 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## LED Driver • 100W MEAN WELL LPV-100H Series



