



**LPV-35 Series
Single Output
Switching
Power Supply**



MEAN WELL LPV-35 Series Single Output Switching Power Supply Owner's Manual

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MEAN WELL LPV-35 Series Single Output Switching Power Supply



Product Information

Specification

- **Model:** LPV-35 series

- **Output Input:** DC Voltage
- **Rated Current:** 5A, 3A, 2.4A, 1.5A
- **Rated Power:** 30W, 36W
- **Ripple & Noise (max.):** 80mVp-p, 120mVp-p, 150mVp-p
- **Efficiency (Typ.):** 77%, 84%, 85%
- **Working Temperature:** -30°C to +65°C
- **Working Humidity:** 20% to 90% RH non-condensing
- **Safety Standards:** UL1310 class 2, CAN/CSA No. 223-M91, BIS IS15885, IEC62368-1, EAC TP TC 004, IP67, BS EN/EN62368-1 approved

Product Usage Instructions

Installation

1. Ensure the input voltage is within the specified range of 90 ~ 264VAC or 127 ~ 370VDC.
2. Connect the output terminals to the device requiring power, ensuring correct polarity.
3. If multiple units are used, verify the maximum number allowed on a circuit breaker.

Operation

1. Power on the LPV-35 series power supply.
2. Monitor the output voltage to ensure it matches the requirements of your device.
3. In case of overload or overvoltage, the protection mechanisms will activate. Rectify the issue before re-powering on.

Maintenance

1. Regularly check for dust accumulation and clean the unit if necessary.
2. Inspect for any physical damage or loose connections that may affect performance.

Frequently Asked Questions

- **Q:** What should I do if the LPV-35 series power supply overheats?
 - **A:** Ensure proper ventilation around the unit and check for any obstructions to airflow. If the issue persists, contact customer support.
- **Q:** Can I use the LPV-35 series power supply outdoors?
 - **A:** Yes, the LPV-35 series is IP67 rated for outdoor use, providing protection against dust and water ingress.
- **Q:** How do I know if the LPV-35 series power supply is compatible with my device?
 - **A:** Check the voltage and current requirements of your device against the specifications of the LPV-35 series to ensure compatibility.

GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>



Features

- Constant voltage design
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- **Protections:** Short circuit / Overload / Over voltage
- Cooling by free air convection
- Fully encapsulated with IP67 level (Note.8)
- Fully isolated plastic case
- Class II power unit, no FG
- Class 2 power unit
- Pass LPS
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)(Note. 12)
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

SPECIFICATION



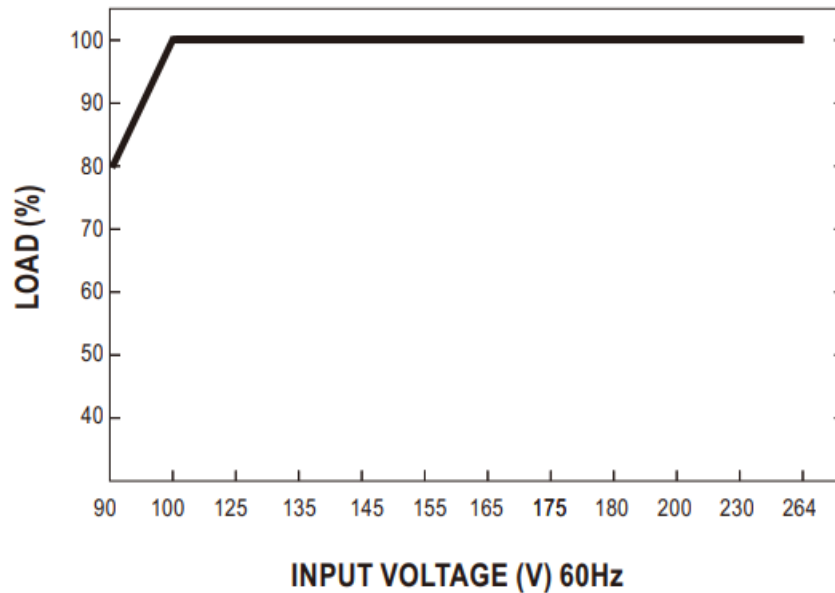
MODEL		LPV-35-5	LPV-35-12	LPV-35-15	LPV-35-24	LPV-35-36
OUTP	DC VOLTAGE	5V	12V	15V	24V	36V
	RATED CURRENT	5A	3A	2.4A	1.5A	1A
	CURRENT RANGE	0 ~ 6A (Note. 7)	0 ~ 3A	0 ~ 2.4A	0 ~ 1.5A	0 ~ 1A
	RATED POWER	30W	36W	36W	36W	36W
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	120mVp-p	150mVp-p	150mVp-p
	VOLTAGE TOLERANCE Note.3	±6.0%	±5.0%			

UT	LINE REGULATION	±1.0%				
	LOAD REGULATION	±4.0%	±2.0%			
	SETUP, RISE TIME Note.6	500ms, 20ms / 230VAC 500ms, 20ms / 115VAC at full load				
	HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load				
INPUT	VOLTAGE RANGE Note.4	90 ~ 264VAC 127 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	77%	84%	84%	85%	85%
	AC CURRENT (Typ.)	1.1A/115VAC 0.7A/230VAC				
	INRUSH CURRENT(Typ.)	COLD START 55A(twidth=510µs measured at 50% Ipeak) at 230VAC				
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	4 units (circuit breaker of type B) / 7 units (circuit breaker of type C) at 230VAC				
	LEAKAGE CURRENT	0.25mA / 240VAC				
PROTECTION	OVERLOAD	110 ~ 150% rated output power				
		Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTAGE	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	41.4 ~ 48.6V
		Protection type : Shut down o/p voltage, re-power on to recover				
ENVIRONMENT	WORKING TEMP.	-30 ~ +65°C (Refer to “Derating Curve”)				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
	SAFETY STANDARDS	UL1310 class 2, CAN/CSA No. 223-M91, BIS IS15885(Note 13), IEC62368-1, EAC TP TC 004, IP67, BS EN/EN62368-1 approved				
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC				

SAFETY & EMC	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, BS EN/EN61000-3-3, EAC TP TC 020
	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
OTHERS	MTBF	5170.3K hrs min. Telcordia SR-332 (Bellcore) ; 743.5Khrs min. MIL-HDBK-217F (25°C)
	DIMENSION	148*40*30mm (L*W*H)
	PACKING	0.34Kg; 40pcs/14.6Kg/0.70CUFT
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. Derating may be needed under low input voltage. Please check the static characteristics for more details.</p> <p>5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.(as available on https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf)</p> <p>6. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.</p> <p>7. LPV-35-5 can provide 6A of output current continuously. Based on the requirement of UL1310 class 2, the output current is only certified up to 5A for the test report of LPV-35-5.</p> <p>8. Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute.</p> <p>9. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).</p> <p>10. Products sourced from the Americas regions may not have the TUV/BIS/CCC logo. Please contact your MEAN WELL sales for more information.</p> <p>11. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN.pdf</p> <p>12. This product is not intended for LED lighting luminaire applications in the EU and China.(In the EU and China the LPF/NPF/XLG/XLC/XLN series are recommended.)</p> <p>13. Products sourced from the China regions may not</p> <p>※ Product Liability Disclaimer For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx</p>	

• Mechanical Specification

- Case No.975A



File Name:LPV-35-SPEC 2024-10-16

Documents / Resources



[MEAN WELL LPV-35 Series Single Output Switching Power Supply](#) [pdf] Owner's Manual
LPV-35 Series Single Output Switching Power Supply, LPV-35 Series, Single Output Switching
Power Supply, Output Switching Power Supply, Switching Power Supply, Power Supply, Supply

References

- [User Manual](#)

[Manuals+.](#) [Privacy Policy](#)

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