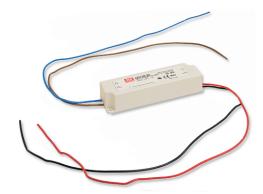


SDECIEICATION



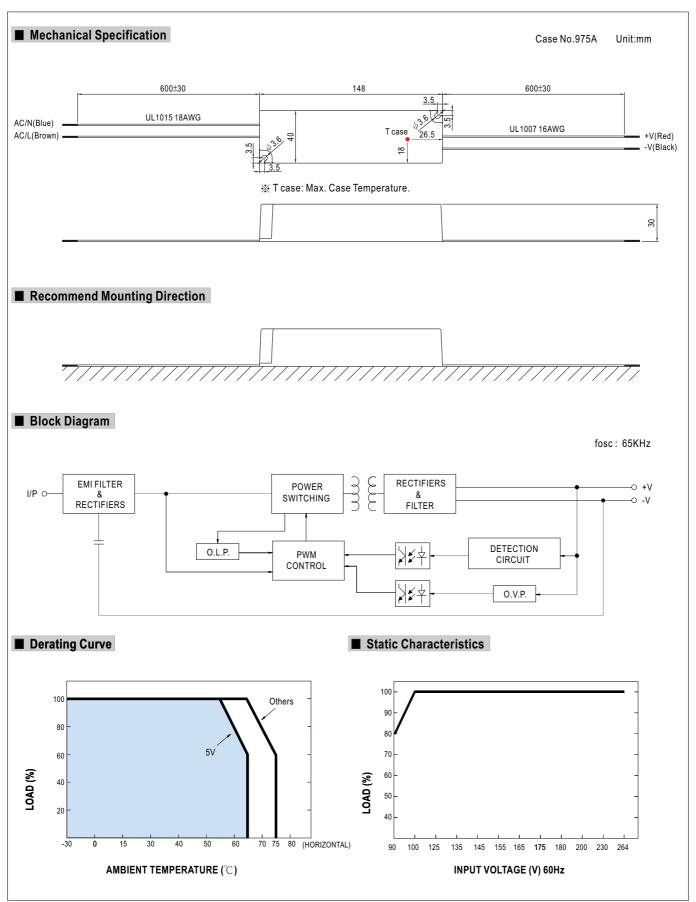
Features:

- 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.9)
- Fully isolated plastic case
- Class Ⅱ power unit, no FG
- Pass LPS
- Suitable for LED lighting and moving sign applications (Note.8)
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

□ LPS IP67 • **™**us **C** €

MODEL		LPV-35-5	LPV-35-12	LPV-35-15	LPV-35-24	LPV-35-36			
	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			
ОИТРИТ	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	120mVp-p	150mVp-p	150mVp-p			
	VOLTAGE TOLERANCE Note.3	±6.0% ±5.0%							
	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							
	VOLTAGE RANGE Note.4	90 ~ 264VAC 127 ~ 370VDC							
	FREQUENCY RANGE	47 ~ 63Hz							
INDUT	EFFICIENCY (Typ.)	77%	84%	84%	85%	85%			
INPUT	AC CURRENT (Typ.)	1.1A/115VAC 0.7A/230	VAC						
	INRUSH CURRENT(max.)	COLD START 30A/115VAC 60A/230VAC							
	LEAKAGE CURRENT	0.25mA / 240VAC							
	OVERI OAR	110 ~ 150% rated output power							
	OVERLOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed							
PROTECTION		5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	41.4 ~ 48.6V			
	OVER VOLTAGE	Protection type : Shut down o/p voltage, re-power on to recover							
	WORKING TEMP.	-30 ~ +75°C (Refer to "Derating Curve")							
	WORKING HUMIDITY	20 ~ 90% RH non-condensing							
ENVIRONMENT	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 C22.2 No. 223-M91, IP67 approved ; design refer to TUV EN60950-1, EN61347-2-13							
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC							
SAFETY &	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH							
EMC	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2 Class A, EN61000-3-3							
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A							
OTHERS	MTBF	743.5Khrs min. MIL-HDBK-217F (25°C)							
	DIMENSION	148*40*30mm (L*W*H)							
	PACKING	0.34Kg; 40pcs/14.6Kg/0.63CUFT							
NOTE	All parameters NOT special Ripple & noise are measure Tolerance: includes set up Derating may be needed ur The power supply is consid complete installation, the fire Length of set up time is me LPV-35-5 can provide 6A o	ad at 20MHz of bandwidth tolerance, line regulation nder low input voltage. Ple ered as a component tha lal equipment manufactur asured at first cold start.	n by using a 12" twisted p and load regulation. bease check the static char t will be operated in combers must re-qualify EMC I Turning ON/OFF the pow	air-wire terminated with a cateristics for more detain the complete on the complete or supply may lead to income t	a 0.1uf & 47uf parallel cap ils. ent. Since EMC performa e installation again. crease of the set up time.	nce will be affected by t			
	the test report of LPV-35-5. 8. In the European market this power supply can be used for LED lighting applications with input power up to 25W. 9. Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute.								









Features:

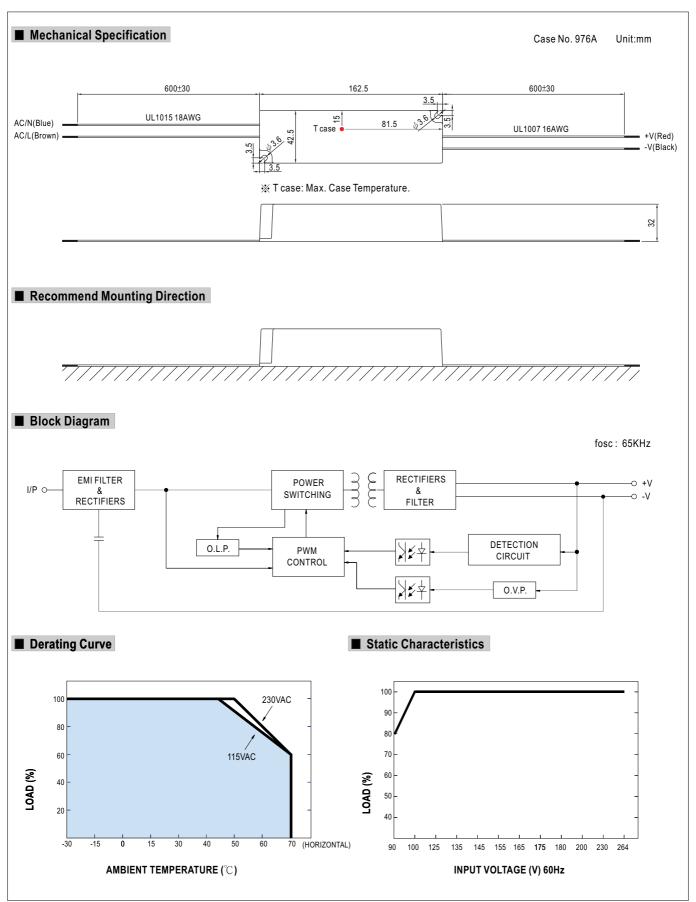
- Constant voltage design
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Fully encapsulated with IP67 level (Note.8)
- Fully isolated plastic case
- Class $\scriptstyle \rm II$ power unit, no FG
- Pass LPS
- Suitable for LED lighting and moving sign applications (Note.7)
- 100% full load burn-in test
- · Low cost, high reliability
- 2 years warranty

SPECIFICATION

□ LPS IP67 **%** (for 48V only) c **%** US (except for 5V,48V) C €

MODEL		LPV-60-5	LPV-60-12	LPV-60-15	LPV-60-24	LPV-60-36	LPV-60-48			
ОИТРИТ	DC VOLTAGE	5V	12V	15V	24V	36V	48V			
	RATED CURRENT	8A	5A	4A	2.5A	1.67A	1.25A			
	CURRENT RANGE	0 ~ 8A	0 ~ 5A	0 ~ 4A	0 ~ 2.5A	0 ~ 1.67A	0 ~ 1.25A			
	RATED POWER	40W	60W	60W	60W	60W	60W			
	RIPPLE & NOISE (max.) Note.2	80mVp-p	120mVp-p	120mVp-p	150mVp-p	150mVp-p	150mVp-p			
	VOLTAGE TOLERANCE Note.3	±8.0%	±5.0%		'					
	LINE REGULATION	±1.0%								
	LOAD REGULATION	±6.0% ±2.0%								
	SETUP, RISE TIME Note.6	500ms, 20ms / 230VAC 500ms, 20ms / 115VAC at full load(for 5~36V); 500ms, 30ms / 230VAC 500ms, 30ms / 115VAC at full load(for 48'								
	HOLD UP TIME (Typ.)	50ms/230VAC 16ms/115VAC at full load								
	VOLTAGE RANGE Note.4	90 ~ 264VAC 127 ~ 370VDC								
	FREQUENCY RANGE	47 ~ 63Hz								
NDUT	EFFICIENCY (Typ.)	76%	83%	83%	86%	86%	86%			
NPUT	AC CURRENT (Typ.)	1.2A/115VAC 1A/	230VAC							
	INRUSH CURRENT(max.)	COLD START 30A/115VAC 60A/230VAC								
	LEAKAGE CURRENT	0.25mA / 240VAC								
	OVERLOAD	110 ~ 150% rated output power								
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed								
PROTECTION		5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	41.4 ~ 48.6V	55.2 ~ 64.8V			
	OVER VOLTAGE	Protection type : Sh								
	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")								
	WORKING HUMIDITY	20 ~ 90% RH non-condensing								
ENVIRONMENT	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	UL879, UL1310 Class 2(except for LPV-60-5), CAN/CSA C22.2 No. 223-M91(except for LPV-60-5, LPV-60-48), IP67 approved; design refer to TUV EN60950-1, EN61347-2-1								
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC								
SAFETY &	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH								
EMC	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2 Class A, EN61000-3-3								
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A								
	MTBF	732Khrs min. MIL-HDBK-217F (25°C)								
OTHERS	DIMENSION	162.5*42.5*32mm (L*W*H)								
	PACKING	0.4Kg; 32pcs/13.8Kg/0.56CUFT								
NOTE	All parameters NOT specia Ripple & noise are measure Tolerance: includes set up Derating may be needed ur The power supply is consided complete installation, the fir Length of set up time is me In the European market this EN61000-3-2 Class C.	ed at 20MHz of banc tolerance, line regulander low input voltagered as a componered equipment manufasured at first cold s	dwidth by using a 1 ation and load regue. Please check the that will be operacturers must re-quetart. Turning ON/O	2" twisted pair-wire to plation. The static characteristic ated in combination volulify EMC Directive PFF the power supply	terminated with a 0.1ucs for more details. with final equipment. So on the complete instance on the complete instance of	if & 47uf parallel capa Since EMC performan allation again. e of the set up time.	nce will be affected by t			









Features:

- · Constant voltage design
- Universal AC input / Full range
- Fully encapsulated with IP67 level (Note.8)
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Over current / Over voltage
- Fully isolated plastic case
- Cooling by free air convection
- 100% full load burn-in test
- Low cost, high reliability
- Suitable for LED lighting and moving sign applications(Note 7.)
- 2 years warranty

SPECIFICATION

□ IP67 **(€**

MODEL		LPV-100-5	LPV-100-12	LPV-100-15	LPV-100-24	LPV-100-36	LPV-100-48			
ОИТРИТ	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			
	VOLTAGE TOLERANCE Note.3	±8.0% ±5.0%								
	LINE REGULATION	±1.0%								
	LOAD REGULATION	±6.0% ±2.0%								
	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									
	FREQUENCY RANGE	47 ~ 63Hz								
	EFFICIENCY (Typ.)	80%	85%	87%	88%	88%	89%			
INPUT	AC CURRENT	2.2A/115VAC 1.2A/230VAC								
	INRUSH CURRENT(max.)	COLD START 30A/115VAC 75A/230VAC								
	LEAKAGE CURRENT	0.25mA / 240VAC								
		110 ~ 150% rated output power								
	OVER CURRENT	Protection type: Hiccup mode, recovers automatically after fault condition is removed								
PROTECTION		5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	41.4 ~ 48.6V	55.2 ~ 64.8V			
	OVER VOLTAGE			e, re-power on to recov						
	WORKING TEMP.	-25 ~ +70°C (Refer to "Derating Curve")								
ENVIRONMENT	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 &	SAFETY STANDARDS	IP67 approved; Design refer to TUV EN60950-1, EN61347-2-13								
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC								
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH								
EMC	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2 Class A(≒80% load), EN61000-3-3								
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; EN55024, light industry level, criteria A								
	MTBF	703Khrs min. MIL-HDBK-217F (25°C)								
OTHERS	DIMENSION	190*52*37mm (L*W*H)								
	PACKING	0.63Kg;20pcs/13.6Kg/0.51CUFT								
NOTE	All parameters NOT specia Ripple & noise are measure Tolerance: includes set up Derating may be needed up The power supply is consider complete installation, the fir Length of set up time is me In the European market this EN61000-3-2 Class C. Suitable for indoor use or o	ed at 20MHz of bar tolerance, line regu- nder low input volta ered as a compon- nal equipment man- nal equipment is cold s product is only su	ndwidth by using a fulation and load regige. Please check the that will be operated that	2" twisted pair-wire trulation. e static characteristicated in combination wallify EMC Directive FF the power supplying applications that do	erminated with a 0.1u s for more details. with final equipment. Soon the complete insta may lead to increase	f & 47uf parallel capa ince EMC performand llation again. of the set up time.	ce will be affected by			



