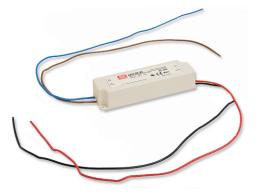


### 35W Single Output Switching Power Supply

## LPV-35 series



Features :

- Constant voltage design
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Over current / Over voltage
- Cooling by free air convection
- Fully encapsulated with IP67 level (Note.9)
- Fully isolated plastic case
- Class  ${\rm I\hspace{-0.1em}I}$  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



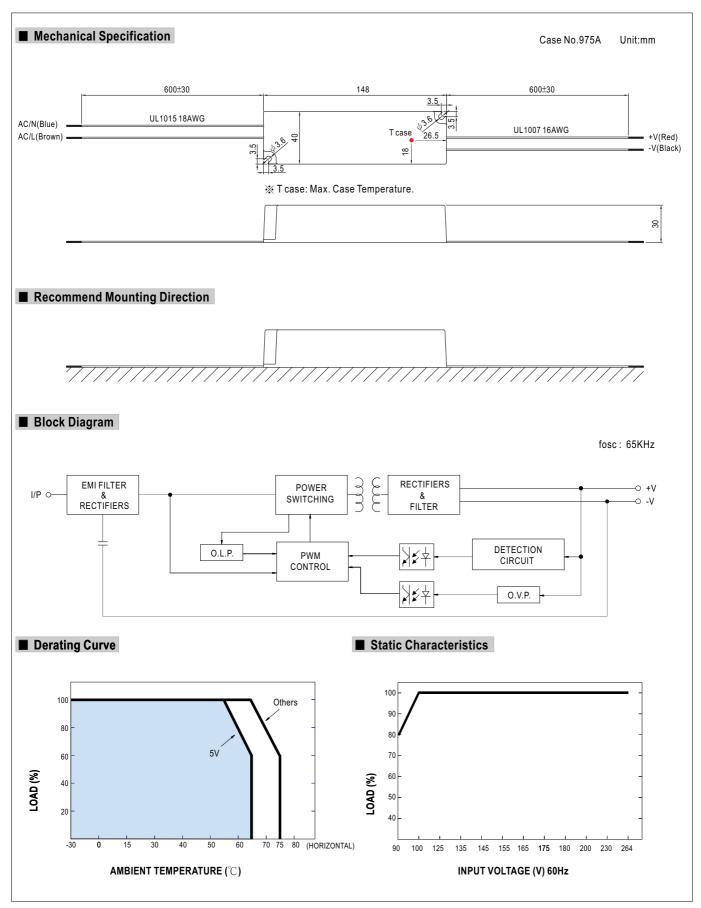
#### SPECIFICATION

MODEL		LPV-35-5	LPV-35-12	LPV-35-15	LPV-35-24	LPV-35-36
OUTPUT	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%				
	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(max.)	COLD START 30A/115VAC 60A/230VAC				
	LEAKAGE CURRENT	0.25mA / 240VAC				
PROTECTION	OVER CURRENT	110 ~ 150% rated output power         Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	OVER CORRENT					
		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				
ENVIRONMENT	WORKING TEMP.	-30 ~ +75 $^{\circ}$ 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 & EMC	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				
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH				
	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	<ol> <li>All parameters NOT specia</li> <li>Ripple &amp; noise are measure</li> <li>Tolerance : includes set up</li> <li>Derating may be needed un</li> <li>The power supply is consid complete installation, the fir</li> <li>Length of set up time is me</li> <li>LPV-35-5 can provide 6A o the test report of LPV-35-5.</li> <li>In the European market this</li> <li>Suitable for indoor use or o</li> </ol>	ed at 20MHz of bandwidtl tolerance, line regulation nder low input voltage. Pl ered as a component tha nal equipment manufactur asured at first cold start. f output current continuou s power supply can be us	n by using a 12" twisted p and load regulation. ease check the static cha t will be operated in com ers must re-qualify EMC Turning ON/OFF the pow Isly. Based on the require ed for LED lighting applic	pair-wire terminated with aracteristics for more de bination with final equip Directive on the comple ver supply may lead to i ement of UL1310 class cations with input power	n a 0.1uf & 47uf parallel tails. ment. Since EMC perfor ete installation again. ncrease of the set up tir 2, the output current is o up to 25W.	mance will be affected by the



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