



#### ■ Features

1. Constant voltage mode power supply
2. Epoxy encapsulated with IP67 level, suitable for outdoor & indoor application
3. Automatic protection for over voltage, over current & high temperature.
4. Aluminum mental housing, easy for heat dissipation & ensure stability
5. Cooling by free air convection
6. 100% full load burn-in test
7. Low cost, high reliability
8. Suitable for LED lighting and moving sign applications

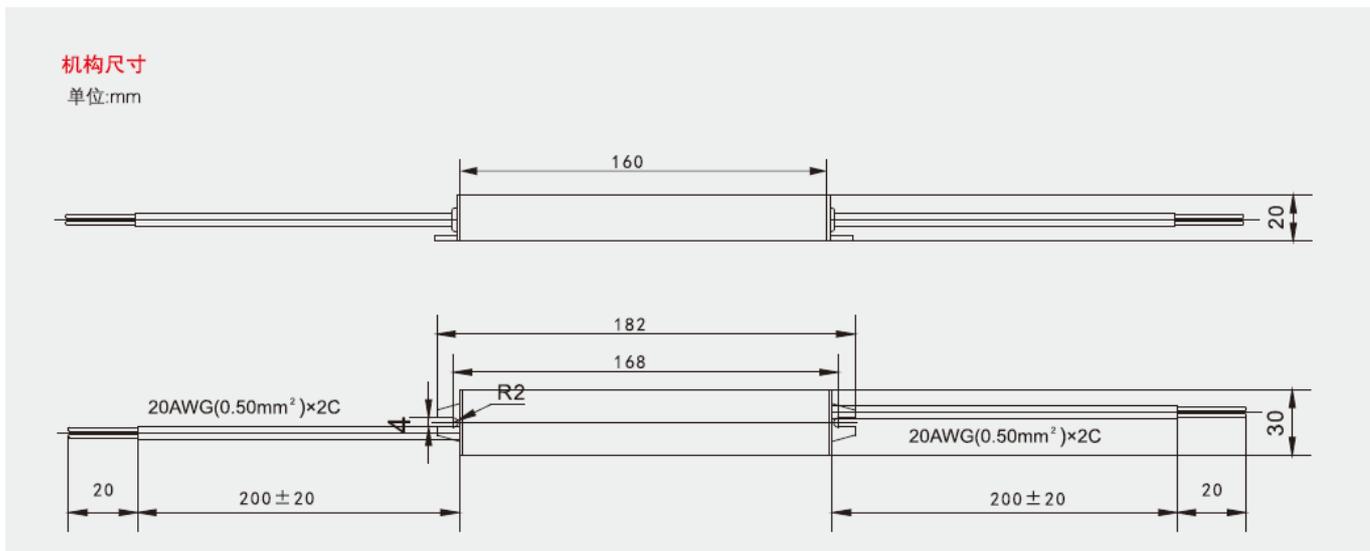
#### ■ Specification

Model		LPV-18E-12	LPV-18E-24	LPV-18E-36
Output	DC voltage	12V	24V	36V
	Rated current	1.5A	0.75A	0.5A
	Current range	0~1.5A	0~0.75A	0~0.5A
	Rated power	18W	18W	18W
	Ripple&noise (max.)	120mVp-p	150mVp-p	200mVp-p
	Voltage tolerance	±3.0%		
	Line regulation	±1.0%		
	Load regulation	±2.0%		
	Setup, rise time	1500ms, 30ms / 230VAC		
	Hold up time	50ms/230VAC at full load		
Input	Voltage range	180 ~ 264VAC , 254 ~ 370VDC		
	Frequency range	47 ~ 63Hz		
	Efficiency	77%	82%	83%
	AC current	0.3A/230VAC		
	Inrush current	Cold start 50A(twidth=155µs measured at 50% Ipeak) at 230VAC		
	Leakage current	<0.25mA/240VAC		
Protection	Overload	Above 105% rated output power Protection type:hiccup mode,auto-recovery after fault condition is removed		
	Over voltage	13.8~ 16.2V	27.6~ 32.4V	41.4~ 48.6V
	Over temperature	Hiccup mode, recovers automatically after temperature goes down		
Environment	Working humidity	20%~90%RH non-condensing		
	Storage temp, humidity	-40℃~+80℃, 10%~95%RH non-condensing		
	Temp. coefficient	±0.03%/℃ (0 ~ 50℃)		
	Vibration	10~500HZ, 2G 10min/1cycle, period for 60min, X.Y.Z each axes		
Safety&EMC	Safety standard	TUV EN60950-1, TUV EN61347-1, EN61347-2-13, IP67 approved; design refer to UL1310 Class 2, CAN/CSA No. 223-M91		

	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 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	1200.6K hrs min. MIL-HDBK-217F (25°C)
	Dimensio	140*30*22(L*W*H)
	Packing	0.175Kg

## ■ Shape and installation dimension

Unit: mm



## ■ Notice

1. Be sure to confirm the signification of sign above the pole before connection.

**L**: LINE (AC input)      **N**: Neutral (AC input)      **⏏(FG)**: Protective Ground

2. LED Driver can be used 110V and 220V AC power for input, The AC Input Voltage is showing on sticker. Before plug in please check the voltage position is correct or not otherwise may take a permanent damage in this power supply.
3. Be sure to keep the ground wire connection, avoid electric shock and common mode interference or differential mode interference.( above 50W Power have 3 pcs input wire)

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