

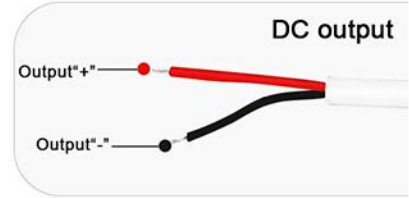
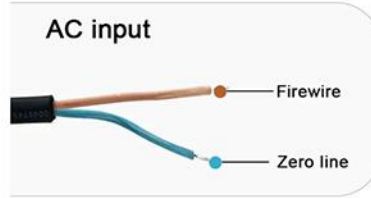
SWITCHING POWER SUPPLY PRODUCT CATALOG

开关电源产品目录

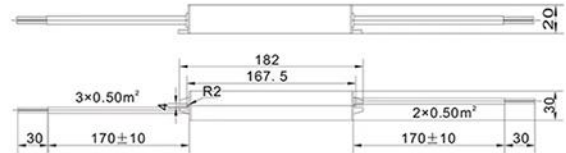




LPV-25-
12/15/24/27



■ Product Size

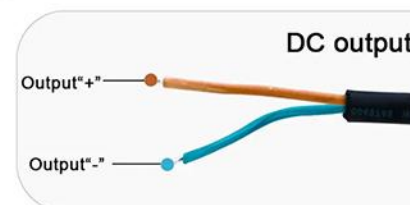
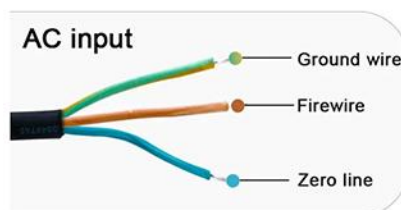


Unit:mm

Model number	LPV-25-12	LPV-25-15	LPV-25-24	LPV-25-27
DC voltage	12V	15V	24V	27V
Rated current	2A	1.6A	1A	0.9A
Current range	0~2A	0~1.6A	0~1A	0~0.9A
Rated power	24W	24W	24W	24.3W
Ripple and Noise Remarks	150mV _{p-p}	150mV _{p-p}	150mV _{p-p}	150mV _{p-p}
Voltage Accuracy	±3.0%	±2.0%	±1.0%	±1.0%
Linear adjustment rate	±0.5%	±0.5%	±0.5%	±0.5%
Load regulation rate	±2.0%	±1.0%	±0.5%	±0.5%
Start-up, rise time	500ms, 80ms/230VAC (full load)			
Hold Time (Typ.)	16ms/230VAC(full load)			
Voltage range	95 ~ 264 VAC 135 ~ 373 VDC			
Frequency Range	47~63Hz			
Efficiency (Typ.)	83.5%	83.5%	84.5%	84.5%
AC input current	0.5A/115V, 0.28A/230VAC			
Impulse current	Cold Start: 25A/230VAC			
Leakage current	<2mA/240VAC			
Overload (Note 5)	Starting overload protection at 110%~150% of rated output power Protection method: isolation mode, which can automatically restore normal output after removing abnormal conditions			
Operating temperature	-20℃~+60℃ (Please refer to "Derating Curve")			
Working humidity	20-90% RH,no condensation			
Storage temperature and humidity	-40~ +85C, 10~ 95% RH			
Vibration resistance	10~ 500Hz, 3G 10 minutes/1cycle, X, Y, Z axis each 60 minutes;			
Safety regulations	UL60950-1.TUV EN60950-1 certified,IP67			
Pressure resistance	O/P-FG:0.5KVAC	I/P-O/P:1.5KVAC	I/P-FG:1.5KVAC	
Insulation impedance	I/P-O/P,I/P-FG,O/P-FG,:100M Ohms/500VDC/25℃/70% RH			
Electromagnetic Compatible Emissions	Complies with EN55022, Class A			
Size	182*30*20mm			



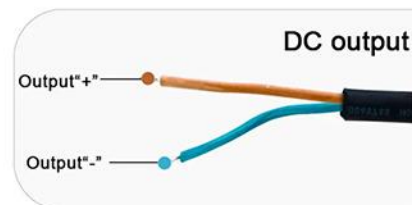
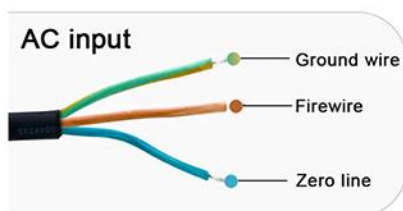
LPV-60- 12/24



Model number	LPV-60-12	LPV-60-24
DC voltage	12V	24V
Rated current	5.0A	2.5A
Current range	0~5.0A	0~2.5A
Rated power	60W	60W
Ripple and Noise Remarks	150mV _{p-p}	200mV _{p-p}
Voltage Accuracy	±5.0%	
Linear adjustment rate	±1.0%	
Load regulation rate	±2.0%	
Start-up, rise time	500ms, 50ms/115VAC 500ms, 50ms/230VAC	
Hold Time (Typ.)	18ms/115VAC 20ms/230VAC	
Voltage range	100-240VAC	
Frequency Range	50~60Hz	
Efficiency (Typ.)	88%	
AC input current	1.2A/115VAC	
Surge current	Blank type: Cold start 60A (twidh=900us tested at 50% I _{peak})/230VAC L type: Cold start 70A (twidh=900us tested at 50% I _{peak})/115VAC	
Leakage current	2.8mA/240VAC	
Overload	110~150% of rated output power Protection type: Hiccup mode, automatically restored after abnormal conditions are removed	
Overvoltage	13.5-18V 27-35V Protection type: Turn off output voltage, restore after restart	
Over Temperature	Turn off the output voltage and automatically recover after the temperature drops	
Operating temperature	-20°C~+65°C (Derating curve)	
Working humidity	20-90% RH, no condensation	
Storage temperature and humidity	-40~ +80°C, 10~ 95% RH	
temperature coefficient	±0.03%/°C (0-50°C)	
Vibration	10~500Hz, 2G 10 minutes/cycle, 60 minutes each for X, Y, and Z axes	
Safety regulations	Blank type: UL8750, CSA C22.2 No 250.13-12, UL879, CSA C22.2 No 207-M89, BIS IS15885 (LPV-60-12, 24 models only), EAC TP TC 004, IP67 certified, designed according to EN60950-1 L type: UL8750 (type "HL"), CSA C22.2 No 250.13-12, UL879, CSA C22.2 No. 207-M89, IP67 certified	
Pressure resistance	I/P-O/P: 3KVAC	
Insulation impedance	I/P-O/P > 100M Ohms/500VDC/25°C/70% RH	
Electromagnetic Compatible Emissions	Blank type: Complies with EN55032 (CISPR32) Class B, EN61000-3-2 Class A (≤80% load), EN61000-3-3, EAC TP TC 020 L type: Compliant with FCC Part 15	
Size	149*43*34mm	



LPV-100- 12/15/24/27

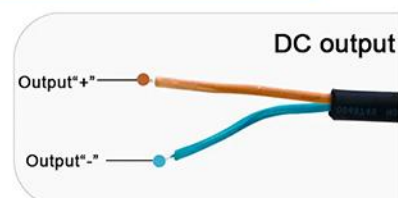
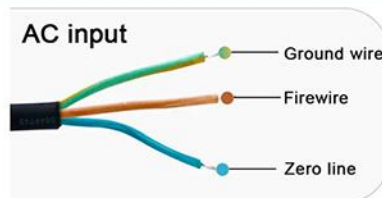


Model number	LPV-100-5	LPV-100-12	LPV-100-15	LPV-100-24
DC voltage	5V	12V	15V	24V
Rated current	15A	8.5A	6.7A	4.2A
Rated power	75W	102W	100.5W	100.8W
Ripples and noise	<80mV	<120mV	<120mV	<150mV
Voltage accuracy	4.75~5.5V	10.8~13.2V	13.5-16.5V	21.6-26.4V
Voltage Accuracy	±5.0%			
Linear adjustment rate	±1.0%			
Load regulation rate	±2.0%			
Start and rise holding time	2000ms, 25ms, 15ms: 115VAC 2000ms, 25ms, 50ms: 230VAC			
Voltage range	90 - 264 VAC 47Hz ~ 63Hz or 127 - 370 VDC			
Efficiency (Typ.)	>80%	>85%	>87%	>88%
AC Current (Typ.)	2.2A/110VAC 1.2A/230VAC			
Impulse current	220VAC : 60A			
Overload	When the rated output power is >105% -135% Protected mode: hiccup mode, which can be automatically recovered after removing the abnormal conditions.			
Overvoltage	Output voltage >115% -145% Protected mode: hiccup mode, which can be automatically recovered after removing the abnormal conditions.			
Operating temperature	-30°C ~ +70°C			
Working humidity	20-90% RH, no condensation			
Storage temperature and humidity	-40 ~ +85°C, 10 ~ 95% RH			
Pressure resistance	I/P-O/P: 3K VAC			
Leakage current	Input to casing : < 2.5mA at 240VAC			
Isolation resistor	Input Output, Input Housing, Output Housing: 500VDC/100MΩ			
Size	190*49*34mm			

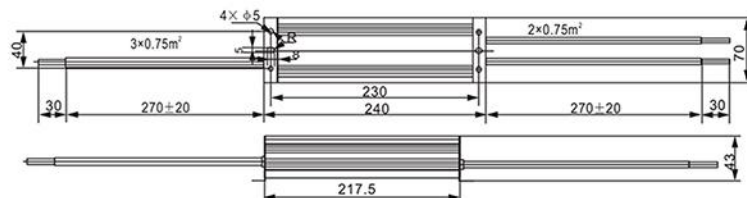


LPV-200-

12/13.5/15/24/27/48



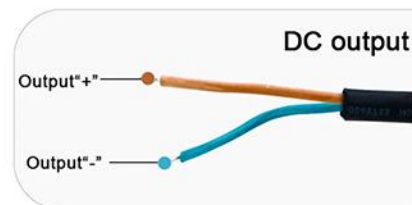
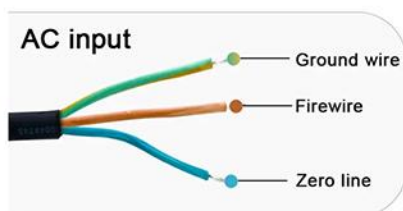
■ Product Size



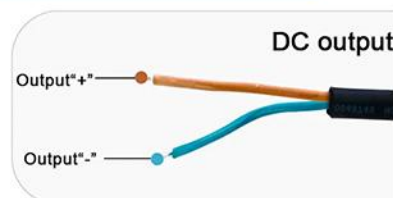
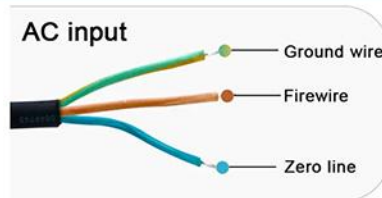
Model number	LPV-200-12	LPV-200-13.5	LPV-200-15	LPV-200-24	LPV-200-27	LPV-200-48
DC output voltage	12V	13.5V	15V	24V	27V	48V
DC output current	16.5A	14.7A	13A	8.3A	7.4A	4.2A
Error	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
Range	150mV	150mV	150mV	150mV	150mV	200mV
Efficiency	80%	82%	84%	84%	86%	86%
AC input voltage range	170-264VAC 47-63Hz 240-370VAC					
Input Current	2.5A/230V					
AC Inrush current	Cold-start current: 50A/230A					
Leakage current	<3.5mA/240VAC					
Overload protection	115% -135% cut off output. Reset: automatic recovery					
Over Temperature Protection	≥ 85 °C Cut off output, automatic recovery					
Waterproof grade	IP67					
Pressure resistance	I/P-O/P: 1.5KvAC 1 Minute I/P-FG:1.5KvAC 1 Minute O/P-FG:0.5KvAC 1 Minute					
Start, rise, hold time	200ms 100ms 30ms					
Working temperature and humidity	-10°C~ +60°C , 20%~90%RH					



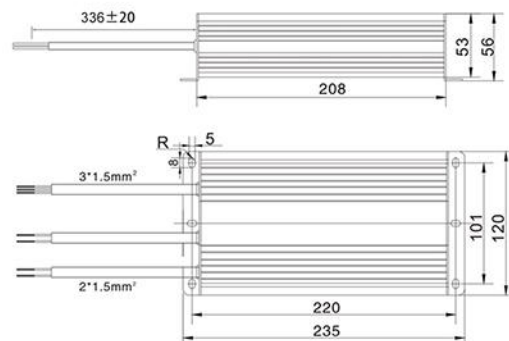
LPV-350-
12/15/24/36



Model number	LPV-350-12	LPV-350-15	LPV-350-24	LPV-350-36
DC output voltage	12V	15V	24V	36V
DC output current	29A	23A	14.5A	9.7A
Rated power	350W	350W	350W	350W
Ripples and noise	<120mV	<120mV	<200mV	<240mV
Voltage accuracy	$\pm 5\%$			
Load adjustment rate	$\pm 2\%$			
Linear adjustment rate	$\pm 1\%$			
Start, rise, hold time	2000ms 25ms 15ms:115VAC 2000ms 25ms 50ms:230VAC			
Voltage range	90-264VAC 47-63Hz 127-370VDC			
Frequency	>87%	>88%	>88%	>89%
Working current	4.5A/110VAC 2.7A/230VAC			
Impulse current	220VAC: 60A			
Leakage current	I/P-FG: 240VAC<2.5mA			
Pressure resistance	I/P-O/P:3KVAC 1 minute duration			
Overload protection	When the rated output power is>105% -135% Protected mode: Hiccup mode, which can be automatically restored after removing abnormal conditions.			
Overvoltage protection	When output voltage>115% -145%: Protected mode; Hiccup mode, which can automatically recover after removing abnormal conditions.			
Working temperature and humidity	-30°C~ +70°C , 20%~90%RH			
Storage temperature and humidity	-40°C~ +85°C , 10%~95%RH			
Isolation resistor	I/P-O/P,I/P-FG,O/P-FG:500DC/100MΩ			



■ Product Size



LPV-650- 12/13.5/15/24/27/48

Model number	LPV-650-24	LPV-650-36	LPV-650-48	LPV-650-60
DC output voltage	24 V	36V	48V	60V
DC output current	25A	18A	13.5A	10.8A
Output power	600W	650W	650W	650W
mVp-p	200mVp-p	220mVp-p	240mVp-p	240mVp-p
Voltage accuracy	±2%	±1.5%	±1.5%	±1.5%
Line regulation rate	±0.5%			
Load Regulation rate	±0.5%			
Start, rise, hold time	500ms, 50ms, 24ms/230VAC			
Input voltage range	180~264VAC, 245~373VDC			
Frequency range	47~63Hz			
Current input current	6.0A/230VAC			
Efficiency	91.50%	92.50%	93%	94%
Impulse current	65A/230VAC			
Leakage current	<2mA/240VAC			
Overload protection	Starting overcurrent limit of 95% -108% Of rated output current, automatic recovery After abnormal conditions are removed			
Overvoltage protection	Protection method: isolation mode, Which can automatically restore normal output After removing abnormal conditions			
	Protection method: isolation mode, which can automatically restore normal output after removing abnormal conditions			