

LPA0624CV

▪ 6-watt power supply for LED lighting in the IP67 housing

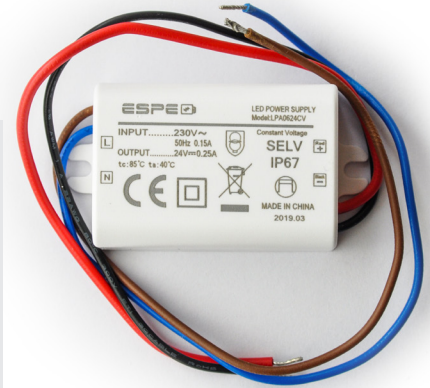
FEATURES:

- compact design
- IP67 enclosure
- reliable and powerful
- high efficiency
- fully protected
- compliant with international lighting standards
- easy to mount housing

APPLICATIONS:

- indoor lighting systems
- retail and industrial lighting
- digital signage systems
- architectural lighting
- emergency lighting

LPA0624CV is a high-performance and high-efficiency 6-watt power supply for LED lighting systems. It is a high-quality power unit, meets the requirements of international standards and provides high output power. It is based on high quality electronic components that allow continuous, long-lasting work in all environmental conditions. The power supply enclosure provides full protection against dust and water (IP67).



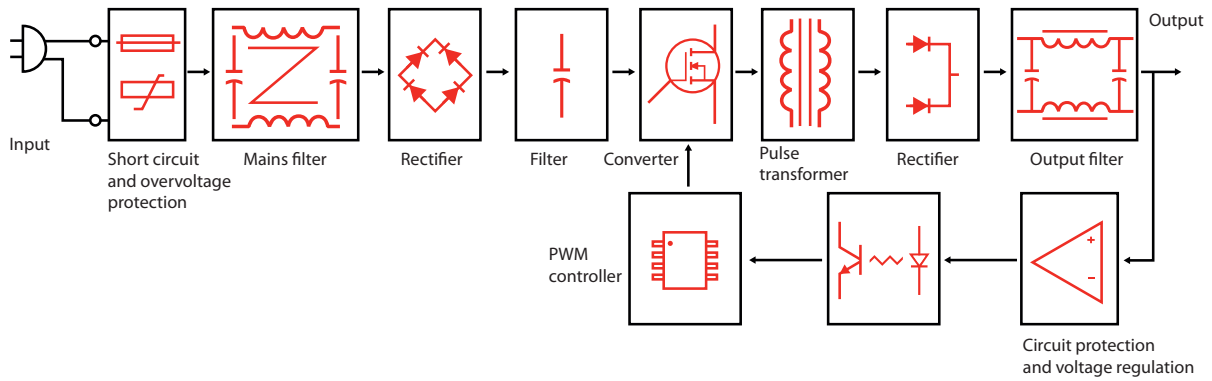
TECHNICAL CHARACTERISTICS

| Group | Parameter | Value | Conditions |
|--------------------------|--|---|---------------------------------|
| Input | Rated input voltage | 230 VAC | |
| | Input voltage range | 220-240 VAC | |
| | Mains frequency range | 50 Hz | |
| | AC current (max.) | 0.15 A | At 240 VAC and full load |
| | Inrush current (max.) | 30 A | At 240 VAC and full load |
| | No-load power consumption (max.) | 0.5 W | |
| | Input leakage current (max.) | 0.5 mA | At 240 VAC |
| | Power factor correction | No | |
| Output | Regulation type | CV – constant voltage | |
| | Rated output voltage | 24 V | |
| | No-load output voltage (max.) | 25.2 V | |
| | Full load output voltage (min.) | 22.8 V | |
| | Rated output power | 6 W | |
| | Rated output current | 0.25 A | |
| | Efficiency | 70% | At 240 VAC and full load |
| | Line regulation | ±5% | 220-240 VAC |
| | Load regulation | ±3% | |
| | Turn on delay time (max.) | 500 ms | |
| LED brightness | Brightness control | No | |
| Environmental | Working temperature | -10°C to +40°C | |
| | Maximum enclosure temperature | 85°C | |
| | Working humidity | 20% to 90% RH | Without condensation |
| | Storage temperature | -20°C to +60°C | |
| | Cooling method | Free air circulation | |
| Protection | Input: overvoltage (OVP), undervoltage (UVP) | OVP | |
| | Output: overcurrent (OCP), short circuit (SCP) | OCP (105-150%) SCP, OVP (32 V) | Rectangular characteristic |
| | Spike voltage protection | Yes | MOV |
| | Automatic recovery on fault remove | Yes | Output sampling |
| | Thermal switch off | Yes | 110°C |
| Safety and EMC | Withstand isolation voltage | 3 kVAC (input to output) | 5 mA, 1 min |
| | Insulation resistance | 10 MΩ | 500 VDC |
| | Isolation class | 2 | Grounding is not required |
| | Safety compliance | EN61347-1, EN61347-2-13 EN60598-1, EN60598-2-6 | |
| | EMC compliance (emission) | EN55015 | |
| | EMC compliance (harmonic current emission) | EN61000-3-2, -3-3, class C | |
| | EMC compliance (immunity) | EN61547 EN61000-4-2, -4-5, class C | |
| | Marking | RoHS, CE | |
| Mechanical | Life time | 30,000 h | 50°C |
| | Enclosure | White ABS plastic | IP67 |
| | Size | 55 × 29.5 × 22 mm | L × W × H |
| | Weight | 45 g | |
| | Input connector | PVC insulated wire 0.2 m | 2 × 0.32 mm ² |
| | Output connector | PVC insulated wire 0.2 m | 2 × 0.32 mm ² UL1017 |
| | Single package | 65 × 35 × 35 mm | |
| | Bulk package | 405 × 260 × 300 mm | 100 pieces |
| Country of manufacturing | China | | |

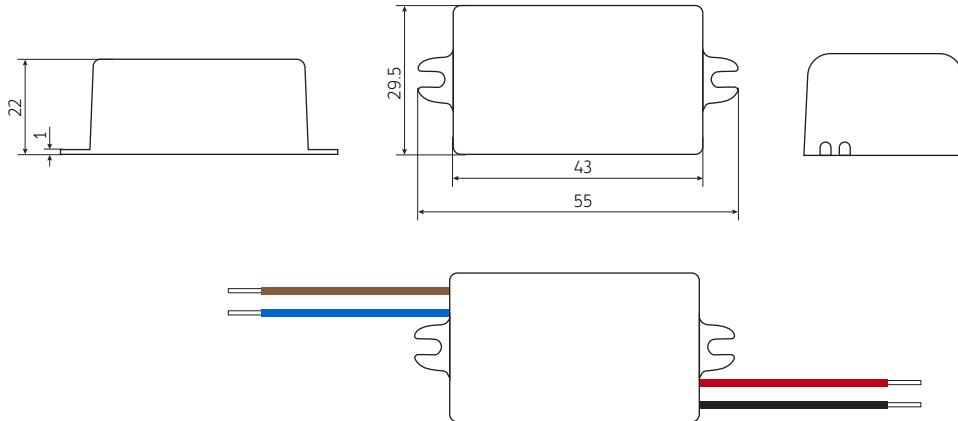
Notes:

Unless otherwise stated, all parameters are specified at 230 VAC input voltage, 50 Hz, ambient temperature 25°C and relative humidity 70% for rated load output. The values of parameters related to the output voltage regulation is measured from low to high line or for load changes from 0 to 100%, respectively. The power supply is considered as an independent unit, but the final equipment still need to reconfirm that the whole system complies with the EMC directives. If the PSU is installed in the final device as a subassembly, the tests should be repeated to verify that the system has been met compliance. Detailed technical data are available on request.

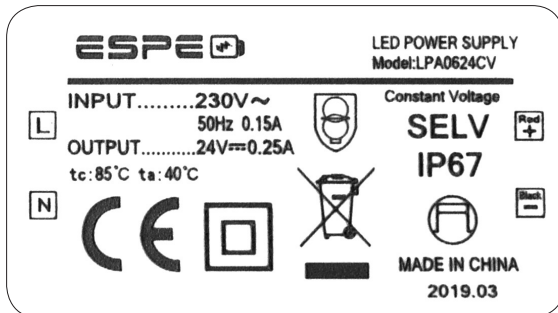
BLOCK DIAGRAM



MECHANICAL SPECIFICATION



PRODUCT LABEL



Legend to the label icons:

Tc: 85°C – maximum case temperature

Ta: 40°C – maximum ambient temperature

□ – II safety class: no grounding is required, no dangerous voltage even in an emergency situation will appear on output

⌚ – power supply intended for indoor use only

⊕ – it can be installed separately outside a lighting fixture without an additional housing

⚡ – means safety isolating control gear with short circuit protection

♻️ – the product must not be disposed of in normal waste containers

SELV – Safety Extra Low Voltage output insulated from both the mains and ground circuits

IP67 – defined in EN 60529 levels of sealing effectiveness of electrical enclosures against intrusion from foreign bodies (tools, dirt) and moisture

Ⓛ – line connection (brown wire)

Ⓝ – neutral connection (blue wire)

Red + – output plus (positive) wire (red)

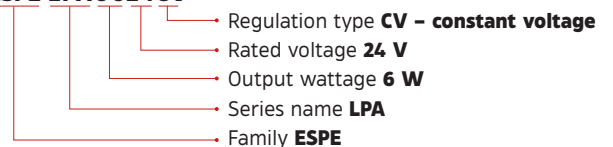
Black - – output minus (negative) wire (black)

ESPE LP LED IP67 24 V POWER SUPPLY FAMILY

| Symbol | Output power | Output current | Dimensions |
|------------|--------------|----------------|-------------------|
| LPA0624CV | 6 W | 0.25 A | 55 × 29.5 × 22 mm |
| LPB1224CV | 12 W | 0.5 A | 50.5 × 49 × 20 mm |
| LPC2424CV | 24 W | 1 A | 121 × 37 × 26 mm |
| LPD3624CV | 36 W | 1.5 A | 148 × 40 × 30 mm |
| LPE6024CV | 60 W | 2.5 A | 166 × 40 × 33 mm |
| LPF10024CV | 100 W | 4.16 A | 190 × 52 × 37 mm |

MARKING SYSTEM

ESPE LPA0624CV



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [LED Power Supplies](#) category:

Click to view products by [Espe](#) manufacturer:

Other Similar products are found below :

[ESS015W-1000-12](#) [EUC-075S105DT](#) [PDA-WIFI](#) [PIFC-K250F](#) [PITB-K222A](#) [ALD-514012PJ134](#) [LB240S24KH](#) [LMH020-SPLC-0000-0000001](#) [79534](#) [79535](#) [EUG-200S210DT](#) [ESS030W-1050-21](#) [ESS030W-0900-32](#) [BPOXL 4-12-035](#) [SLM160W-3.9-40-ZA](#) [ESS010W-0180-42](#) [ESS010W-0350-24](#) [ESS010W-0200-42](#) [PDA080B-1A0G](#) [PDA150B-S1A5G](#) [ZPS-20](#) [SLM140W-1.05-130-ZA](#) [ESS040W-1400-27](#) [ESS015W-0700-18](#) [ESS010E-0250-42](#) [EVM120W-2700-42-ECN2](#) [EDC-100S105SV-0007](#) [79278](#) [EUD-150S350DVA](#) [LWA320-C420-ARK-B](#) [50304](#) [HVG-320-36AB](#) [HVG-320-54AB](#) [OT FIT 50/220-240/300 D L](#) [OT FIT 35/220-240/350 D CS L](#) [OT FIT 65/220-240/350 D CS L](#) [ELEMENT 30/220-240/700 S](#) [LC 75W 100-400MA 1-10V LP EXC](#) [LCA 35W 150-700MA ONE4ALL LP PRE](#) [LCA 50W 100-400MA ONE4ALL LP PRE](#) [LCA 50W 350-1050MA ONE4ALL LP PRE](#) [LCA 50W 350-1050MA 2XCH LP PRE](#) [LCI 150/325-1050/300 O4A SL PRE](#) [LCA 75W 100-400MA ONE4ALL LP PRE](#) [LCA 45W 500-1400MA ONE4ALL SC PRE](#) [LC 50W 100-400MA FLEXC LP EXC](#) [LCA 75W 350-1050MA ONE4ALL LP PRE](#) [LC 50W 350-1050MA FLEXC LP EXC](#) [LC 75W 350-1050MA FLEXC LP EXC](#) [LCA 75W 900-1800MA ONE4ALL LP PRE](#)