40W LJA-40 Series High Efficiency LED Power Supply

**Features**
- Universal AC input / Full range up to 305Vrms.
- Power Factor > 0.95 (@ max. load.)
- Efficiency up to 90%.
- THD<15% at max. load, 1/P=230Vrms.
- Surge protection diff. 4KV.
- Meeting lighting safety standard: UL8750 & IEC 61347.
- IP67 design for LED indoor or outdoor lighting applications.
- Protections: Short circuit / Over current / Over voltage / Over temperature.
- Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- Class 2 power unit, pass LPS.
- Isolation class II, no F.G.
- Free air cooling.
- 3 years warranty.

**Specifications**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Max. output power (Watt)</th>
<th>Rated Voltage</th>
<th>V-Adjust</th>
<th>Rated Current</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>LJA-40-12-XY</td>
<td>40.1W</td>
<td>12V</td>
<td>7.2~12V</td>
<td>3.42A</td>
<td>84%</td>
</tr>
<tr>
<td>LJA-40-15-XY</td>
<td>40.1W</td>
<td>15V</td>
<td>9~15V</td>
<td>2.67A</td>
<td>85%</td>
</tr>
<tr>
<td>LJA-40-20-XY</td>
<td>40.1W</td>
<td>20V</td>
<td>12~20V</td>
<td>2A</td>
<td>86%</td>
</tr>
<tr>
<td>LJA-40-24-XY</td>
<td>40.1W</td>
<td>24V</td>
<td>14.4~24V</td>
<td>1.67A</td>
<td>87%</td>
</tr>
<tr>
<td>LJA-40-30-XY</td>
<td>40.2W</td>
<td>30V</td>
<td>18~30V</td>
<td>1.34A</td>
<td>88%</td>
</tr>
<tr>
<td>LJA-40-36-XY</td>
<td>40.2W</td>
<td>36V</td>
<td>21.6~36V</td>
<td>1.12A</td>
<td>88%</td>
</tr>
<tr>
<td>LJA-40-42-XY</td>
<td>40.3W</td>
<td>42V</td>
<td>25.2~42V</td>
<td>0.98A</td>
<td>88.5%</td>
</tr>
<tr>
<td>LJA-40-48-XY</td>
<td>40.3W</td>
<td>48V</td>
<td>28.8~48V</td>
<td>0.84A</td>
<td>90%</td>
</tr>
<tr>
<td>LJA-40-54-XY</td>
<td>40.1W</td>
<td>54V</td>
<td>32.4~54V</td>
<td>0.76A</td>
<td>90%</td>
</tr>
</tbody>
</table>

**P/N Information:**
- **LJA - 40 - V - X Y - ○○○○○○○○○○**
  - Model: Maximum output power (Watt)
  - Voltage: Output voltage (Volt)
  - X: type of output wire, 0, 8, D, S
  - Y: IP67 rated
  - D: IP67 rated and built-in 3 in 1 dimming; F: IP67 rated and Timer dimming; B: IP67 rated and Smart Count Time dimming
  - A: Blank, 0, A-2 (market purpose, factory specified)
  - ○○○○○: Output current (mA)
  - Code of import agent

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60W LJA-60 Series High Efficiency LED Power Supply

**Features**
- Universal AC input / Full range up to 305Vrms.
- Power Factor > 0.95 (@ max. load.)
- Efficiency up to 90%.
- THD<15% at max. load, 1/P=230Vrms.
- Surge protection diff. 4KV.
- Meeting lighting safety standard: UL8750 & IEC 61347.
- IP67 design for LED indoor or outdoor lighting applications.
- Protections: Short circuit / Over current / Over voltage / Over temperature.
- Free air cooling.
- Class 2 power unit, pass LPS.
- Isolation class II, no F.G.
- Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- 3 years warranty.

**Specifications**

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<th>V-Adjust</th>
<th>Rated Current</th>
<th>Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>LJA-60-12-XY</td>
<td>60W</td>
<td>12V</td>
<td>7.2~12V</td>
<td>3A</td>
<td>88%</td>
</tr>
<tr>
<td>LJA-60-15-XY</td>
<td>60W</td>
<td>15V</td>
<td>9~15V</td>
<td>4A</td>
<td>87%</td>
</tr>
<tr>
<td>LJA-60-20-XY</td>
<td>60W</td>
<td>20V</td>
<td>12~20V</td>
<td>3A</td>
<td>88%</td>
</tr>
<tr>
<td>LJA-60-24-XY</td>
<td>60W</td>
<td>24V</td>
<td>14.4~24V</td>
<td>2.5A</td>
<td>89%</td>
</tr>
<tr>
<td>LJA-60-30-XY</td>
<td>60W</td>
<td>30V</td>
<td>18~30V</td>
<td>2A</td>
<td>89%</td>
</tr>
<tr>
<td>LJA-60-36-XY</td>
<td>60W</td>
<td>36V</td>
<td>21.6~36V</td>
<td>1.67A</td>
<td>89%</td>
</tr>
<tr>
<td>LJA-60-42-XY</td>
<td>60W</td>
<td>42V</td>
<td>25.2~42V</td>
<td>1.43A</td>
<td>89%</td>
</tr>
<tr>
<td>LJA-60-48-XY</td>
<td>60W</td>
<td>48V</td>
<td>28.8~48V</td>
<td>1.25A</td>
<td>90%</td>
</tr>
<tr>
<td>LJA-60-54-XY</td>
<td>60W</td>
<td>54V</td>
<td>32.4~54V</td>
<td>1.12A</td>
<td>90%</td>
</tr>
</tbody>
</table>

**P/N Information:**
- **LJA - 60 - V - X Y - ○○○○○○○○○○**
  - Model: Maximum output power (Watt)
  - Voltage: Output voltage (Volt)
  - X: type of output wire, 0, 8, D, S
  - Y: IP67 rated
  - D: IP67 rated and built-in 3 in 1 dimming; F: IP67 rated and Timer dimming; B: IP67 rated and Smart Count Time dimming
  - A: Blank, 0, A-2 (market purpose, factory specified)
  - ○○○○○: Output current (mA)
  - Code of import agent
40W LJA-40 Series High Efficiency LED Power Supply

Features
- Universal AC input / Full range up to 305Vrms.
- Power Factor > 0.95 (@ max. Load.)
- Efficiency up to 90%.
- THD<15% at max. load, 1/P=230Vrms.
- Surge protection diff. 4KV.
- Meeting lighting safety standard: UL8750 & IEC 61347.
- IP67 design for LED indoor or outdoor lighting applications.
- Protections: Short circuit / Over current / Over voltage / Over temperature.
- Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- Class 2 power unit, pass LPS.
- Efficiency up to 90%.
- Free air cooling.
- 3 years warranty.

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<tr>
<td>LJA-40-12-XY</td>
<td>12W</td>
<td>12V</td>
<td>7.2-12V</td>
<td>3.4A</td>
<td>84%</td>
</tr>
<tr>
<td>LJA-40-15-XY</td>
<td>15W</td>
<td>15V</td>
<td>9-15V</td>
<td>2.7A</td>
<td>85%</td>
</tr>
<tr>
<td>LJA-40-20-XY</td>
<td>20W</td>
<td>20V</td>
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<td>42V</td>
<td>25-42V</td>
<td>0.98A</td>
<td>88.5%</td>
</tr>
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<td>48W</td>
<td>48V</td>
<td>28.8-48V</td>
<td>0.84A</td>
<td>90%</td>
</tr>
<tr>
<td>LJA-40-54-XY</td>
<td>54W</td>
<td>54V</td>
<td>32.4-54V</td>
<td>0.76A</td>
<td>90%</td>
</tr>
</tbody>
</table>

P/N Information:
- LJA-40-XY-Y-O
  - X: type of output wire, 0, B, D, S
  - Y: IP67 rated and Smart Count Time dimming.
  - O: Blank, 0-9, A-Z (market purpose, factory specified)

60W LJA-60 Series High Efficiency LED Power Supply

Features
- Universal AC input / Full range up to 305Vrms.
- Power Factor > 0.95 (@ max. Load.)
- Efficiency up to 90%.
- THD<15% at max. load, 1/P=230Vrms.
- Surge protection diff. 4KV.
- Meeting lighting safety standard: UL8750 & IEC 61347.
- IP67 design for LED indoor or outdoor lighting applications.
- Protections: Short circuit / Over current / Over voltage / Over temperature.
- Free air cooling.
- Class 2 power unit, pass LPS.
- Efficiency up to 90%.
- Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- 3 years warranty.

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<td>54V</td>
<td>32.4-54V</td>
<td>0.76A</td>
<td>90%</td>
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</table>

P/N Information:
- LJA-60-XY-Y-O
  - X: type of output wire, 0, B, D, S
  - Y: IP67 rated and Smart Count Time dimming.
  - O: Blank, 0-9, A-Z (market purpose, factory specified)

Power-Con Electronics Corporation

S2, Lane 334, Sec. 3, Min-Chuan Rd., Chung-Li Dist., Taoyuan City 320, Taiwan TEL: (03) 427-5854 FAX: (03) 427-5898

1190.5x841.9
90W LJA-90 Series High Efficiency LED Power Supply

Features
- Universal AC input / Full range up to 305Vrms.
- Power Factor > 0.96 (@ max. Load.)
- Efficiency up to 90.5%.
- THD<20% at max. load, 1/P=230Vrms.
- Surge protection diff. 4KV.
- Meeting lighting safety standard: UL8750 & IEC 61347.
- IP67 design for LED indoor or outdoor lighting applications.
- Protocols: Short circuit / Over current / Over voltage / Over temperature.
- Dimming control (optional): 3 in 1 dimming (1~10Vdc, 10V PWM, Resistance), Timer, Smart Count Time, Time Programmable.
- Other optional function: DALI, ZigBee.

Specifications

- EMC & Safety
  - EN55015, IEC61000-3-2 Class C, EN61000-3-3, -4-2,3,4,5,6,8,11, EN61547
- Universal AC input / Full range up to 305Vrms.
- Meets lighting safety standard: UL8750 & IEC 61347-1, IEC61347-2-13
- Surge protection: Surge protection diff. 4KV.

- Efficiency up to 90.5%.
- Power Factor > 0.96 (@ max. Load.)

- Environment
  - Operating temperature: -40°C to 70°C
  - Withstand voltage: I/P-O/P: 3.75kVac, I/P-FG: 1.5kVac, O/P-FG: 0.5kVac
  - Safety standards: EN55015, IEC61000-3-2 Class C, EN61000-3-3, -4-2,3,4,5,6,8,11, EN61547

- Cable:
  - Input wire: Type B: AWM VW-1 18AWG×4C (30cm)
  - Output wire: Type D: (UL) SJTW 18AWG×2C (30cm)

- Mechanical
  - Dimension/weight: 161 (L) x 61 (W) x 36 (H) mm, Weight: 650 gram

- Other:
  - 3 years warranty.
  - Free air cooling.

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Surge Protection Device 10KV PC-SD30-4 Series

Features
- Standards: Long lifetime, robust protection against moisture, vibration and temperature extremes.
- Universal AC input / Full range up to 305Vrms.
- Resistant to peaks and surges of up to 5KA / 10KV.
- Full encapsulated with IP 67 Level.
- Suitable for class I and Class II luminaries.

Applications
- Tunnels
- Highways
- Rural roads
- Parking lots
- Area lighting

Specifications

- Operating voltage: 277VAC 50/60Hz
- MCOV (max. continuous operating voltage): 320Vrms
- UC (max. continuous operating voltage): 320Vrms
- UP (voltage protection rating): 560VDC(L-N) ; 3470VAC(L-FG, N-FG)
- VPR (voltage protection rating): 560VDC(L-N) ; 3470VAC(L-P, N-P)
- IN (nominal discharge current): SKA
- Max. surge voltage (2/50us): 10KV
- Max. surge current (8/20us): SKA
- Response time: <25ns

- Withstand:
  - 1600VAC 1minutes

- Operating temperature: -40°C to 70°C

- Safety standards:
  - Refer to UL1449 3rd edition (Type 2 component assemblies), EN61643-11

- Dimensions:
  - 85x35.5x27mm *Tolerance ±0.4mm

- Packing:
  - 106 gram

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P/N Information:
LJA-90-V-X-Y-Z
- Max. output power (Watt)
- Rated Voltage (V)
- Rated Current (A)
- Efficiency (%)

- Code of product:
  - LJA-90-V-X-Y-Z
  - X: Type of output wire, 0, B, D, S
  - Y: type of output wire, 0, B, D, S

- Code of import agent:
  - E355634

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PC-SD30-4 Dimensional Drawing

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PC-SD30-4 Connections