



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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LXC26 series

LED Power Supply

Constant Current LED Power Supplies

LED Power
26W

LED POWER

next generation power
source

FEATURES

- High Efficiency (up to 86%)
- Constant Current Output
- Active PFC (Typical 0.92)
- IP66 Waterproof
- OVP, SCP, OLP, OTP
- -20 to 70°C deg operation
- Input 90-305VAC
- UL8750 compliant
- EN61347-1, -2-13 compliant

The LXC26 series of constant current LED power supplies from Excelsys Technologies can deliver up to 26W of output power in an extremely compact package size.

The LXC26 series of constant current power supplies provides up to 1750mA of output current and 72V output voltage solutions for specific LED requirements. With industry leading efficiencies, and an extensive protection feature set, the LXC26 series provides high reliability and high performance in a compact package

The LXC26 series carries the UL and CE mark for safety and is also RoHS compliant.

| Model Number | Output Voltage | Output Current | Input Voltage | Efficiency |
|-----------------------------|----------------|----------------|---------------|------------|
| LXC26-0350SW ⁽³⁾ | 38-75V | 350mA | 90-305VAC | 86.0% |
| LXC26-0450SW ⁽³⁾ | 29-58V | 450mA | 90-305VAC | 86.0% |
| LXC26-0700SW ⁽⁴⁾ | 19-37V | 700mA | 90-305VAC | 85.0% |
| LXC26-1050SW ⁽⁴⁾ | 13-25V | 1050mA | 90-305VAC | 84.0% |
| LXC26-1400SW ⁽⁴⁾ | 10-19V | 1400mA | 90-305VAC | 83.0% |
| LXC26-1750SW ⁽⁴⁾ | 8-15V | 1750mA | 90-305VAC | 83.0% |

Input Specifications

| Parameter | Conditions/Description | Min | Nom | Max | Units |
|-----------------------|-----------------------------|------|-----|------|-------|
| Input Voltage Range | Wide Input | 90 | | 305 | VAC |
| Input Frequency Range | | 47 | | 63 | Hz |
| Input Current | 100VAC in, 26W output | | | 0.40 | A |
| Inrush Current | 230VAC in, 25°C, Cold Start | | | 60 | A |
| Power Factor | 220VAC, 110VAC | 0.92 | | 0.98 | |

Output Specifications

| Parameter | Conditions/Description | Min | Nom | Max | Units |
|--------------------------|----------------------------------|-----|-----|-----|--------|
| Line Regulation | | | | ±1 | % |
| Load Regulation | | | | ±3 | % |
| Over Current Ripple | | | | 50 | % load |
| Overshoot/Output Current | | 0 | | 10 | % load |
| Ripple and Noise | 20MHz Bandwidth. See Note 1 | 3.0 | | 5.0 | V |
| Turn-on Delay | Measured at 220VAC and full load | | 0.3 | 0.5 | s |
| Short Circuit Protection | Auto Recovery | | | | |
| Over Voltage Protection | Hiccup. Auto Recovery | | | | |

General Specifications

| Parameter | Conditions/Description | Min | Nom | Max | Units |
|---------------------------|--|--------------|---------|-----|------------|
| Isolation Voltage | Input to Output See Note 2 Input to Chassis | 3000 1500 | | | VAC VAC |
| Efficiency | See individual models | | 84 | | % |
| Safety Agency Approvals | UL8750, EN61347-1, -2-13, UL1310 Class 2 (Notes 3 & 4) | | | | |
| No load Power Dissipation | Measured at 120VAC and 220VAC | | | 5.0 | W |
| MTBF | MIL HDBK 217F, 110VAC input, 80% load, 25°C | | 130,000 | | Hours |
| Lifetime | 110VAC input, 80% load, 45°C | | 70,000 | | Hours |
| Weight | | | 200 | | g |
| Operating Temperature | Derate 1.5%/°C from 50°C to 70°C | -20 | | +70 | °C |
| Storage Temperature | | -40 | | +85 | °C |
| Relative Humidity | Non-condensing (operating) | 10 | | 100 | %RH |

Note 1.

Output connected in parallel with 0.1uF ceramic capacitor and 10uF electrolytic capacitor.

Note 2.

Primary to Secondary Isolation test not to be carried out on power supply.

Note 3.

Non UL1310 Class 2 outputs for US and Canada

Note 4.

UL1310 Class 2 outputs for US and Canada

Specifications are subject to change without notice



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USA

| EMC | | | |
|---------------------------|--------------|-------------|-------|
| Parameter | Standard | Level | Units |
| Emissions | | | |
| Conducted | EN55015 | Level B | |
| Radiated | EN55015 | Level B | |
| Harmonic Distortion | EN61000-3-2 | Compliant | |
| Flicker and Fluctuation | EN61000-3-3 | Compliant | |
| Immunity | | | |
| ESD | EN61000-4-2 | Compliant | |
| Radiated RFI | EN61000-4-3 | Compliant | |
| Fast Transients - burst | EN61000-4-4 | Level 3 (A) | |
| Surge Immunity | EN61000-4-5 | Compliant | |
| Conducted RFI | EN61000-4-6 | Compliant | |
| Power Freq Magnetic Field | EN61000-4-8 | Compliant | |
| Voltage Dips | EN61000-4-11 | Compliant | |

INPUT / OUTPUT WIRING**INPUT CABLE**

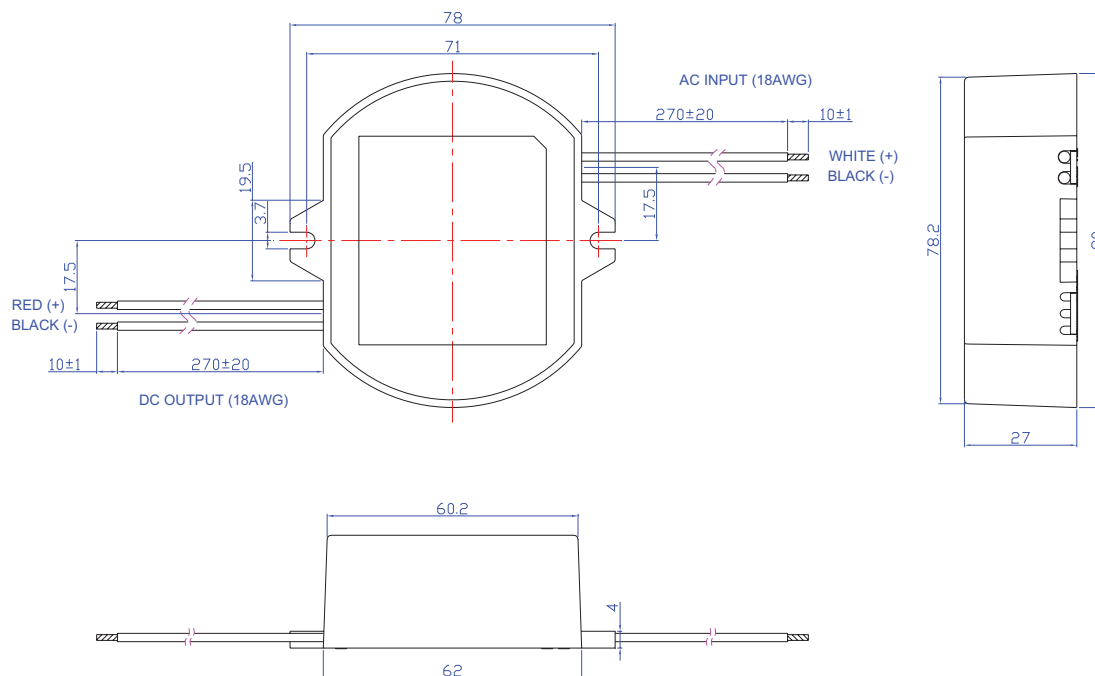
SJTW 18AWG

Black (L), White(N) 270±20mm

OUTPUT CABLE

SJTW 18AWG

Black (-V) and Red (+V) 270±20mm

MECHANICAL SPECIFICATIONS

Specifications are subject to change without notice

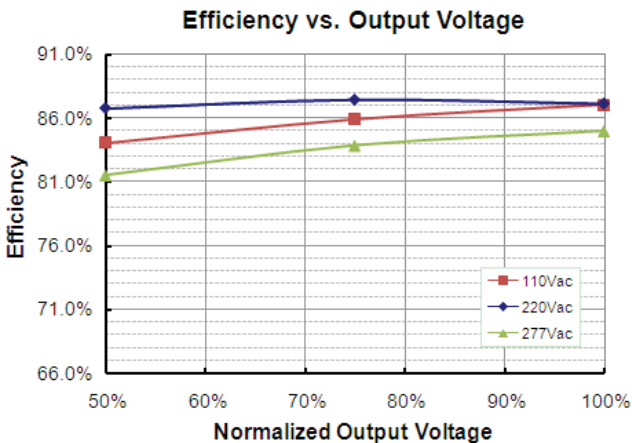
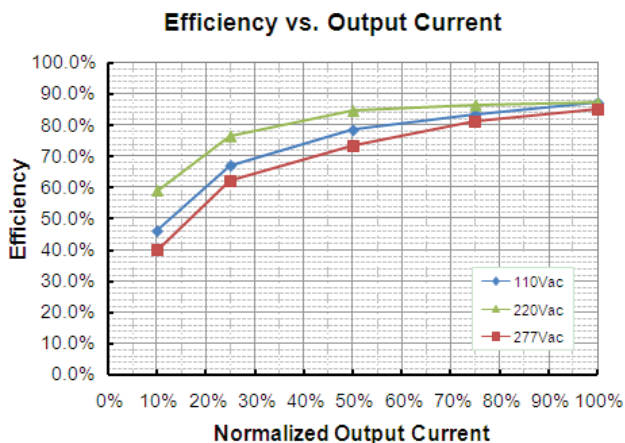
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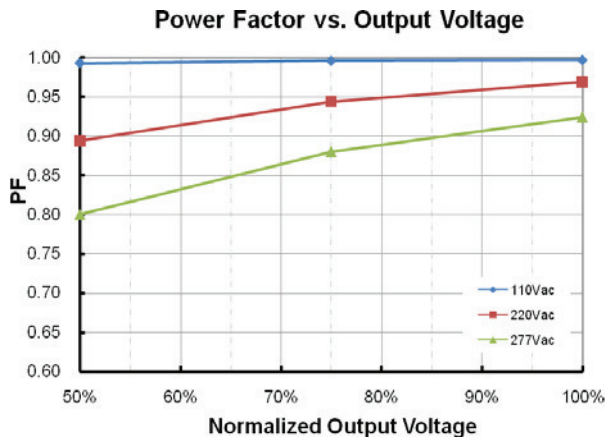
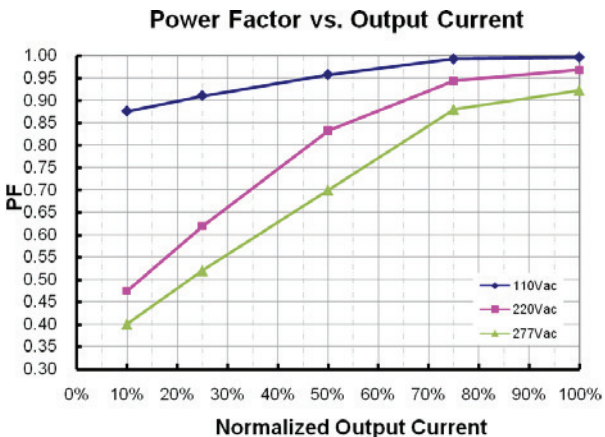
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Efficiency vs Load (350mA Model)



Power Factor Characteristics



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| | | | | | | | |
|---|--|---|--|---|--|--|--|
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