LXC26 *series*

LED Power Supply

Constant Current LED Power Supplies

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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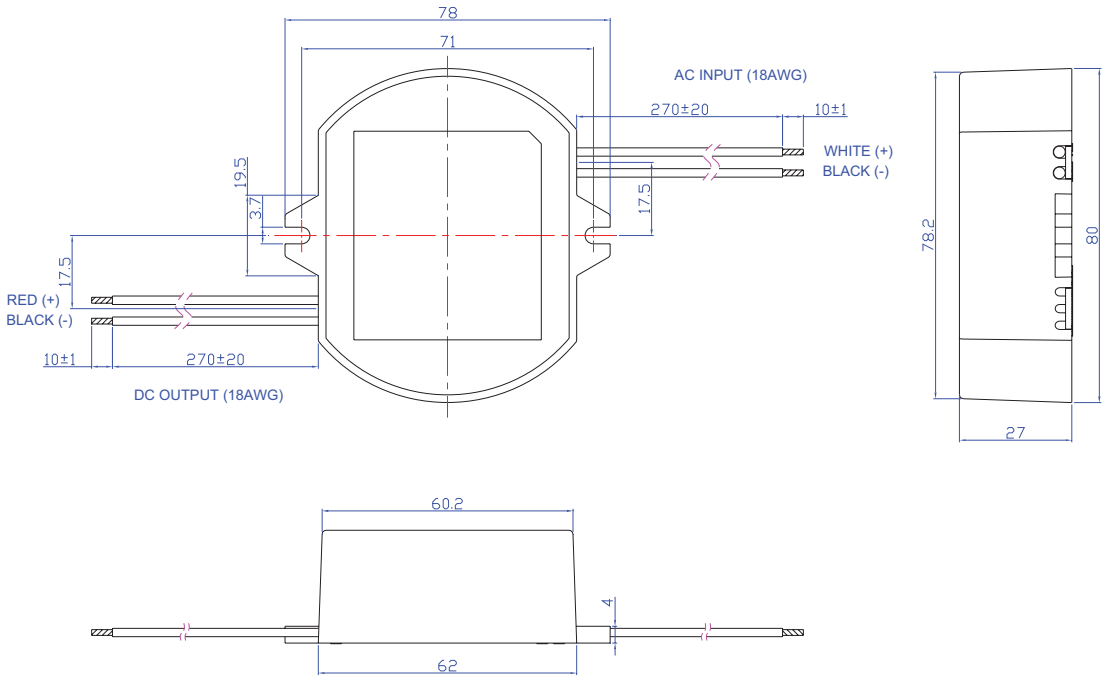
EMC				
Parameter	**Standard**		**Level**	**Units**
Emissions				
Conducted	EN55015		Level B	
Radiated	EN55015		Level B	
Harmonic Distortion	EN61000-3-2		Compliant	
Flicker and Fluctuation	EN61000-3-3		Compliant	
Immunity				
ESD	EN61000-4-2		Compliant	
Radiated RFI	EN61000-4-3		Compliant	
Fast Transients - 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



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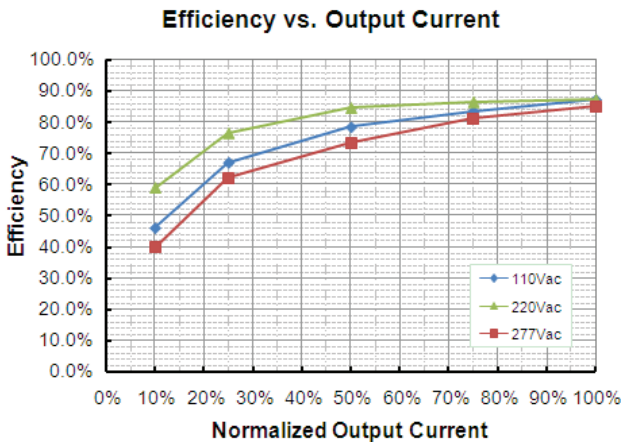
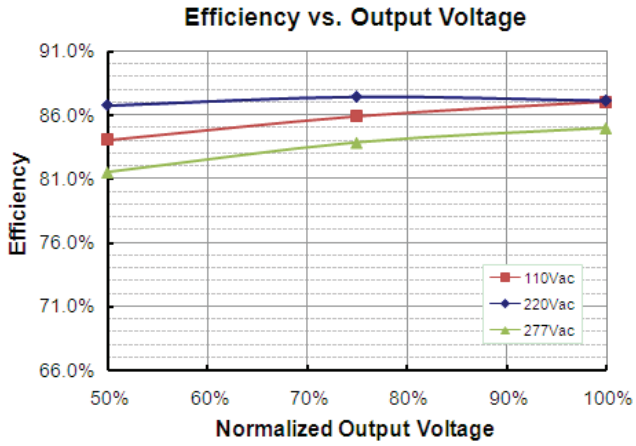
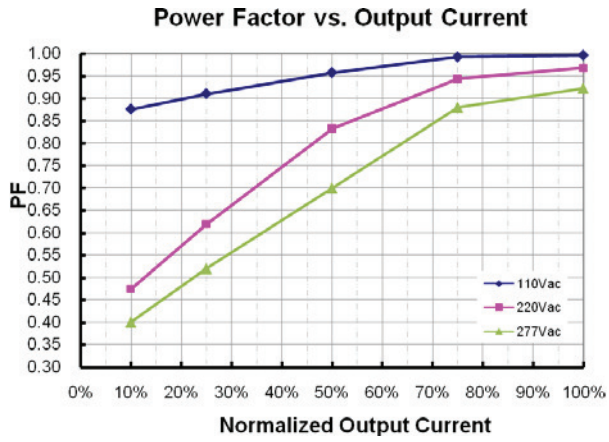
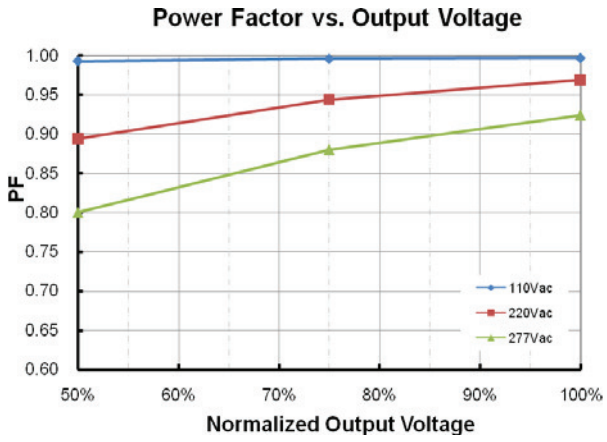
Efficiency vs Load (350mA Model)





Power Factor Characteristics





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