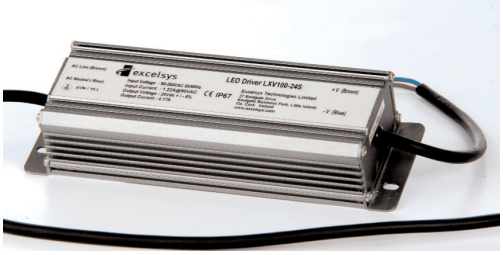
LXC200 *series*



LED Power Supply

Constant Current Power Supplies

LED POWER
next generation power source

FEATURES
- **High Efficiency (up to 92%)**
- **Constant Output Current**
- **Active PFC (Typical 0.99)**
- **IP67 Waterproof**
- **OVP, SCP**
- **-35 to 70°C deg operation**
- **Universal Input 90-305VAC**
- **UL8750 recognised**
- **EN61347-1, -2-13 compliant**

The LXC200 series of constant current LED power supplies from Excelsys Technologies can deliver up to 200W of output power in an extremely compact package size.

The LXC200 series of constant current power supplies provides up to 8330mA of output current and 445V output voltage solutions for specific LED requirements. With industry leading efficiencies, and an extensive protection feature set, the LXC200 series provides high reliability and high performance in a compact package. The LXC200 series carries the UL and CE mark for safety and is also RoHS compliant.

Model Number	Output Voltage	Output Current	Input Voltage	OVP Latching max	Efficiency
LXC200-0450SW	267-445V	450mA	90-305VAC	668V	92.0%
LXC200-0700SW	171-285V	700mA	90-305VAC	428V	92.0%
LXC200-1050SW	114-190V	1050mA	90-305VAC	285V	92.0%
LXC200-1400SW	85-142V	1400mA	90-305VAC	213V	92.0%
LXC200-1750SW	69-114V	1750mA	90-305VAC	171V	91.0%
LXC200-2100SW	57-95V	2100mA	90-305VAC	143V	91.0%
LXC200-2450SW	48-81V	2450mA	90-305VAC	122V	91.0%
LXC200-2800SW	42-71V	2800mA	90-305VAC	107V	91.0%
LXC200-3150SW	38-63V	3150mA	90-305VAC	95V	91.0%
LXC200-3500SW	34-57V	3500mA	90-305VAC	86V	91.0%
LXC200-4200SW	28-47V	4200mA	90-305VAC	71V	91.0%
LXC200-4900SW	24-40V	4900mA	90-305VAC	60V	91.0%
LXC200-5600SW	21-35V	5600mA	90-305VAC	53V	91.0%
LXC200-6300SW	19-32V	6300mA	90-305VAC	48V	91.0%
LXC200-8330SW	14-24V	8330mA	90-305VAC	36v	90.0%

Input Specifications

Parameter	Conditions/Description	Min	Nom	Max	Units
Input Voltage Range	Universal Input	90		305	VAC
Input Frequency Range		47		63	Hz
Input Current	100VAC in, 200W output			2.4	A
Inrush Current	230VAC in, 25°C, Cold Start			65	A
Power Factor	220VAC, 110VAC	0.96		0.99	

Output Specifications

Parameter	Conditions/Description	Min	Nom	Max	Units
Line Regulation				±1	%
Load Regulation				±3	%
Voltage Range	See table of outputs				
Output Current Range	% of Iout			±5	%
Ripple and Noise	20MHz Bandwidth. See Note 1			3.0	% pk-pk
Turn-on Delay	Measured at 220VAC and full load		0.3	0.6	s
Short Circuit Protection	Auto Recovery				
Over Voltage Protection	Latching. See individual models OVP levels				
Over Temp. Protection	Maximum temperature of components inside case		110		°C

General Specifications

Parameter	Conditions/Description	Min	Nom	Max	Units
Isolation Voltage	Input to Output See Note 2 Input to Chassis	3750 1500			VAC VAC
Efficiency	See individual models		91		%
Safety Agency Approvals	UL8750, EN61347-1, -2-13				
MTBF (8330mA Model)	MIL HDBK 217F, 110VAC Input, 80% load, 25°C		179,000		Hours
Lifetime (8330mA Model)	220VAC Input, 80% load, 45°C		59,000		Hours
Weight			1500		g
Operating Temperature		-35		+70	°C
Storage Temperature		-40		+85	°C
Relative Humidity	Non-condensing (operating)	10		100	%RH

Specifications are subject to change without notice

excelsys

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

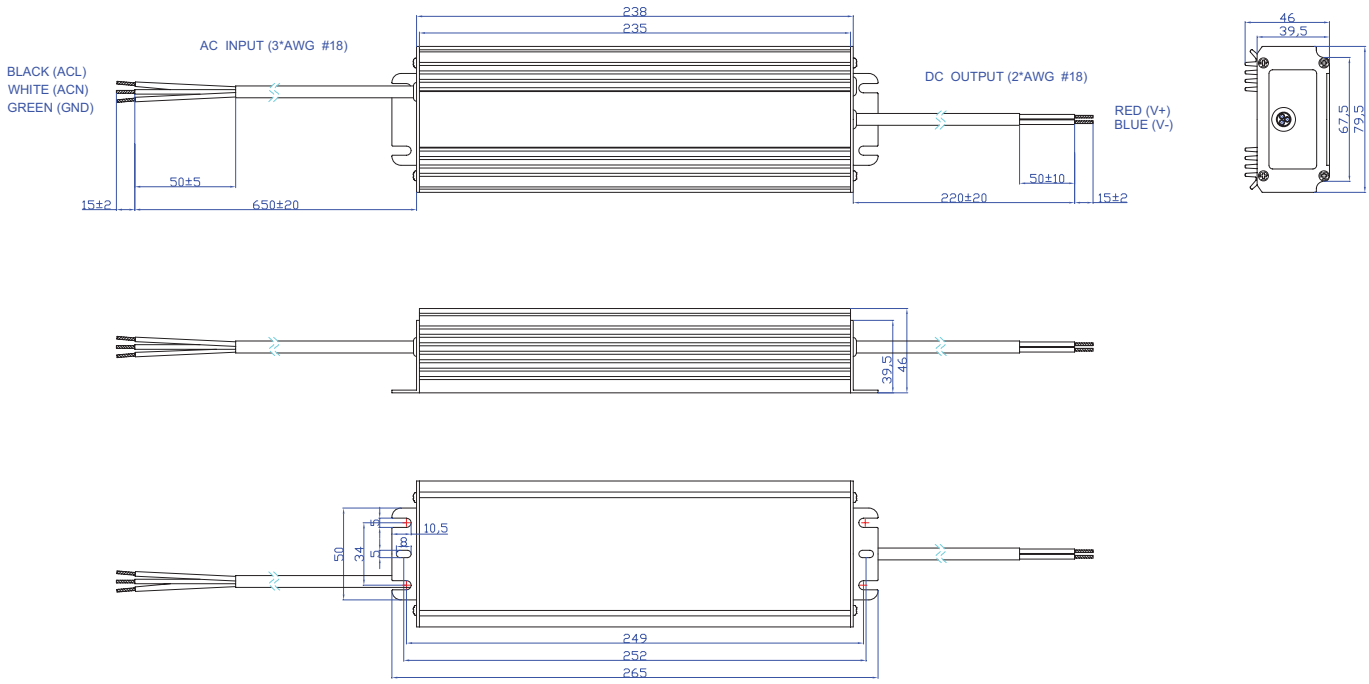
Note 1. Output connected in parallel with 0.1uF ceramic capacitor and 10uF electrolytic capacitor.
Note 2. Primary to Secondary Isolation test not to be carried out on power supply.

INPUT / OUTPUT WIRING

INPUT CABLE
SJTW 18AWG 3C
Black (L), White(N), Green 650±20mm

OUTPUT CABLE
SJTW 18AWG 2C
Blue (-V) and Red (+V) 220±20mm

MECHANICAL SPECIFICATIONS



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