

15-LCCE Series

Constant Current Mode



FEATURES:

- AC Input 100~277VAC
- Built-in Active Power Factor Correction
- Protection: SCP / OVP / OTP
- High Operating Ambient Temp.: -20 °C ~ +60 °C
- Surge Protection : L-N 1KV
- Safety: UL 60950-1 / PSE
- EMI: CE / FCC
- Comply with Indoor/Outdoor Waterproof (IP 67)
- Warranty: 5 years (refer to LinkCom warranty policy)
- RoHS Compliant

PRODUCT SPECIFICATION

MODEL	DC OUTPUT POWER (W)	DC OUTPUT VOLTAGE (V)	OUTPUT CURRENT (A)	OUTPUT CURRENT TOLERANCE	EFFICIENCY (Typ.)				Power Factor (Typ.)			
					100VAC	120VAC	200VAC	277VAC	100VAC	120VAC	200VAC	277VAC
LCCE-013U142	11.2	5-8	1.4	±10%	77.0%	78.0%	76.0%	74.0%	0.98	0.98	0.95	0.85
LCCE-013U112	12.6	9-12	1.05	±10%	81.0%	82.0%	80.0%	77.0%	0.98	0.98	0.95	0.85
LCCE-013U721	12.96	13-18	0.72	±10%	83.0%	83.0%	78.0%	76.0%	0.98	0.98	0.95	0.85
LCCE-013U501	12	19-24	0.5	±10%	82.0%	82.0%	75.0%	73.0%	0.98	0.98	0.95	0.85
LCCE-013U351	12.6	30-36	0.35	±10%	84.0%	85.0%	82.0%	80.0%	0.98	0.98	0.95	0.85
LCCE-015U112	15.75	11-15	1.05	±10%	82.0%	82.0%	80.0%	78.0%	0.98	0.98	0.95	0.85
LCCE-015U801	14.4	13-18	0.8	±10%	80.0%	80.0%	78.0%	76.0%	0.98	0.98	0.95	0.85
LCCE-015U501	16	24-32	0.5	±10%	83.0%	84.0%	81.0%	80.0%	0.98	0.98	0.95	0.85
LCCE-015U721	14.4	14-20	0.72	±10%	83.0%	83.0%	81.0%	79.0%	0.98	0.98	0.95	0.85
LCCE-017U142	16.2	9-12	1.35	±10%	80.0%	81.0%	78.0%	77.0%	0.98	0.98	0.95	0.85
LCCE-017U112	18.9	13-18	1.05	±10%	83.0%	84.0%	83.0%	82.0%	0.98	0.98	0.95	0.85
LCCE-017U801	16	14-20	0.8	±10%	83.0%	83.0%	82.0%	80.0%	0.98	0.98	0.95	0.85
LCCE-017U701	16.8	19-24	0.7	±10%	82.0%	82.0%	81.0%	80.0%	0.98	0.98	0.95	0.85
LCCE-017U501	18	30-36	0.5	±10%	85.0%	86.0%	86.0%	84.0%	0.98	0.98	0.95	0.85
LCCE-017U351	16.8	38-48	0.35	±10%	85.0%	86.0%	85.0%	84.0%	0.98	0.98	0.95	0.85
LCCE-017U122	18	11-15	1.2	±10%	81.0%	82.0%	81.0%	80.0%	0.98	0.98	0.95	0.85

Input Specifications

	Min.	Typ.	Max.	Units	Conditions/Description
Input Voltage Range	90		305	Vac	
Input Frequency Range	47		63	Hz	
Input Current		0.4		A	110VAC in
Inrush Current			5	A	230VAC in, 25°C Cold start
Leakage Current			0.7	mA	264VAC in
Power Factor (PF)	0.9				100-230VAC, 100% load
Total Harmonics Distortion (THD)				%	N/A

Output Specifications

	Min.	Typ.	Max.	Units	Conditions/Description
Line Regulation		±5		%	
Load Regulation		±5		%	
Output Current Regulation		±10		%	
Ripple and Noise (pk-pk)			3	V	20MHz Bandwidth. See note (3)
Ripple Current					N/A
Turn-on Delay Time			3	s	*Measured at 115/230VAC and at full load

Protection Functions

	Min.	Typ.	Max.	Units	Conditions/Description
Short Circuit Protection					Auto recovery
Over Voltage Protection					Latching, See individual models OVP levels
Over Temp Protection (Tc)		105			The power will derate on the current limit.

Environmental Conditions

	Min.	Typ.	Max.	Units	Conditions/Description
Operating Temperature (Ta)	-20		60	°C	Non-condensing
Operating Humidity	10		90	%RH	Non-condensing
Operating Case Temperature (Tc)				°C	N/A
Storage Temperature	-40		80	°C	Non-condensing
Storage Humidity	10		95	%RH	Non-condensing
Life Time	N/A				
Dimensions(L*W*H)	95 * 40 * 25 mm 【 3.74 * 1.57 * 0.98 inch】				
Weight		138		g	

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EMC Compliance and Safety			
EMC Compliance			
Conducted and Radiated Emission		EN 55015 (CISPR15) , FCC part 15 Class B	
Harmonic Current Emissions		EN 61000-3-2 Class C	
Voltage Fluctuations & Flicker		EN 61000-3-3	
EMS Standards	Electrostatic Discharge (ESD)	IEC 61000-4-2	8 KV air discharge, 4 KV contact discharge
	RF Electromagnetic Field Susceptibility	IEC 61000-4-3	
	Electrical Fast Transient	IEC 61000-4-4	
	Surge Immunity	IEC 61000-4-5	L-N 1KV
	Conducted RF Disturbances	IEC 61000-4-6	
	Power Frequency Magnetic Field	IEC 61000-4-8	
	Voltage Dips	IEC 61000-4-11	
Safety			
UL	UL 60950-1		
PSE	PSE		

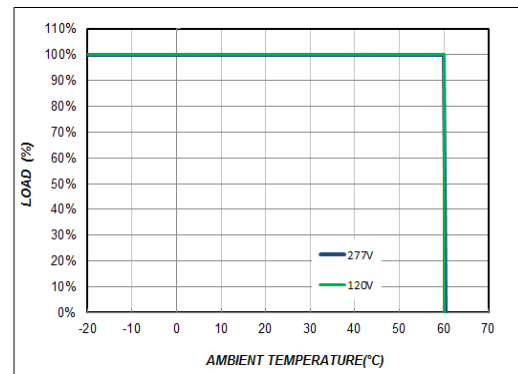
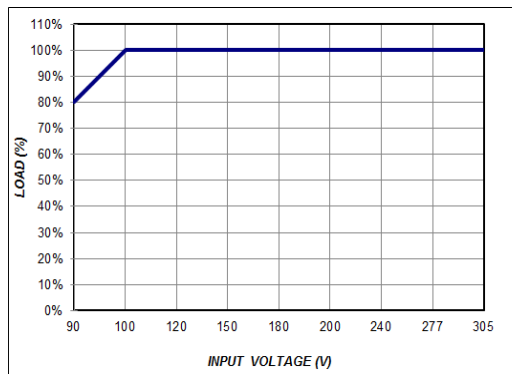
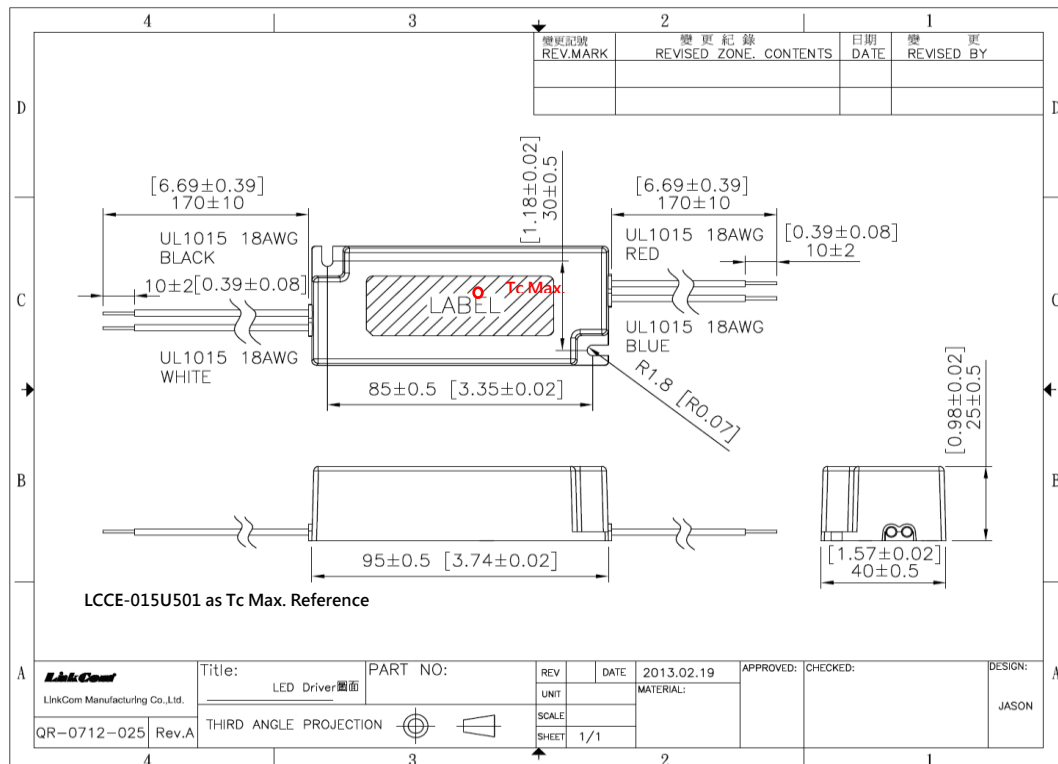
Notes

- (1) All parameters not specially mentioned are measured 230VAC input.
- (2) All specifications Typical @25℃ , unless otherwise noted, at normal line and load.
- (3) Ripple and Noise measured directly at pins/terminals at nom. load, 0.1uF bypass and 47uF electrolytic, pk-pk @20MHz bandwidth.
- (4) Specified for free-air convection cooling.

* REFERENCE: www.linkcom.com.tw

* Please contact sales@linkcom.com.tw, sales@linkcomusa.com for more information

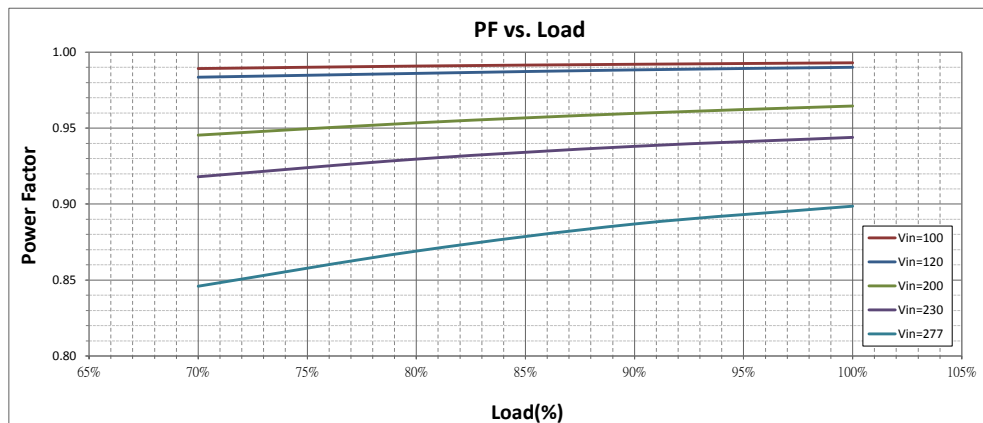
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DERATING CURVEDIMENSIONS* REFERENCE: www.linkcom.com.tw

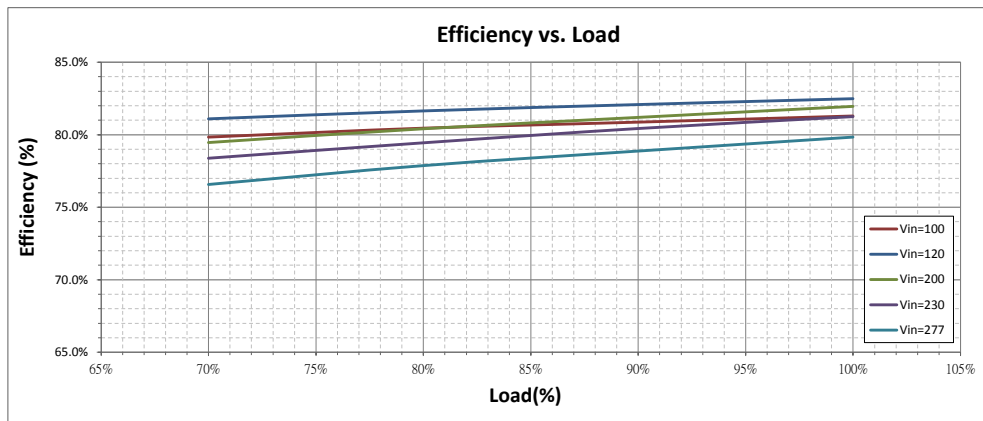
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Power Factor vs. Load (LCCE-015U112)



Efficiency vs. Load (LCCE-015U112)



Output Current vs. Load (LCCE-015U112)

