LinkCom®

80W Power Supply

80-LCCH Series

Constant Current Mode

IP67

FEATURES:

- AC Input 90~305 Vac Nominal
- Power Factor: > 0.98 @ 115 Vac / > 0.93 @ 230 Vac; @ full load
- Protection: SCP / OVP / OTP
- High Operating Ambient Temp.: -30 ℃ ~ +70 ℃ (refer to dreating curve)
- Surge Protection: L-N 2 kV, L/N-FG 4 kV
- Safety: UL / PSE
- EMI: Meets FCC/ Meets CE
- 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	O/P NOISE(P-P,V)
LCCH-080U120-00	80.4	8.5-12	6.7	±5%	87%	0.5
LCCH-080U240-00	81.6	18-24	3.4	±5%	88%	0.5
LCCH-080U300-00	81	24-30	2.7	±5%	88%	0.5
LCCH-080U360-00	82.8	30-36	2.3	±5%	90%	0.5
LCCH-080U420-00	79.8	34-42	1.9	±5%	90%	0.5
LCCH-080U480-00	80	40-48	1.7	±5%	90%	0.5

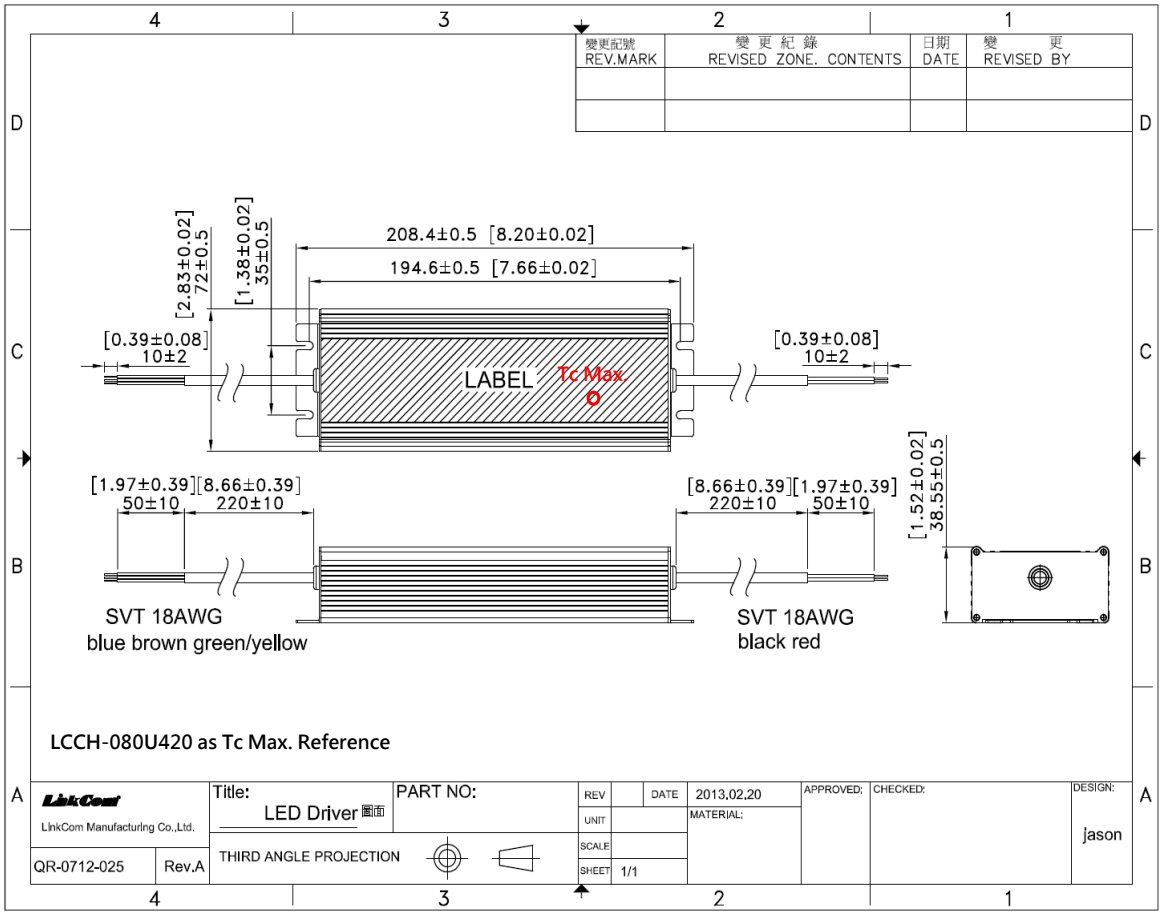
ELECTRICAL SPECIFICATION	
INPUT VOLTAGE RANGE	90-305 Vac, 127-431 Vdc, Normal: 100-277 Vac
INPUT FREQUENCY	Range: 47-63 Hz, Normal: 50-60 Hz
ACTIVE POWER FACTOR	> 0.98 @ 115 Vac / > 0.93 @ 230 Vac at Full Load and Rated Output Voltage
THD	< 20%
TURN ON DELAY TIME	<1.5 s at Full Load 120-277Vac
AC CURRENT	1.5 A / 115 Vac 0.56 A / 230 Vac
INRUSH CURRENT (Max)	Cold Start 65 A @ 230 Vac
LEAKAGE CURRENT	< 0.45 mA / 264 Vac
SHORT CIRCUIT PROTECTION	short circuit protection will restart automatically after the fault condition is removed
OVER VOLTAGE PROTECTION	shut down and latch off o/p voltage , re-power on to recover
OVER TEMP. PROTECTION	
OPERATING TEMP.	-30℃ ~ +70 ℃ (refer to dreating curve)
STORAGE TEMP.	-40℃~+80℃
RELATIVE HUMIDITY	10% to +90%, non-cond.
SAFETY	UL60950-1 / PSE
EMI	Meets EN55015 / Meets FCC part 15
WITHSTAND VOLTAGE	I/P-O/P: 3 kVac, O/P-Grnd: 1.5 kVac, I/P-Grnd: 1.5 kVac
ISOLATION RESISTANCE	I/P-O/P, I/P-FG,O/P-FG :10M Ω / 500 Vdc / 25℃ / 70% RH
DIMENSION (L*W*H)	208.4 * 72 * 38.5 mm【8.2 * 2.83 * 1.52 inch】

(1) All parameters specified at 230 Vac input unless otherwise noted
(2) All specifications Typical at 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 at 20MHz bandwidth.
(4) Specified for free-air convection cooling.
(5) Minimum load is NOT required for proper operation .
(6) 100% Production Tested.

＊REFERENCE: www.linkcom.com.tw

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

DIMENSIONS



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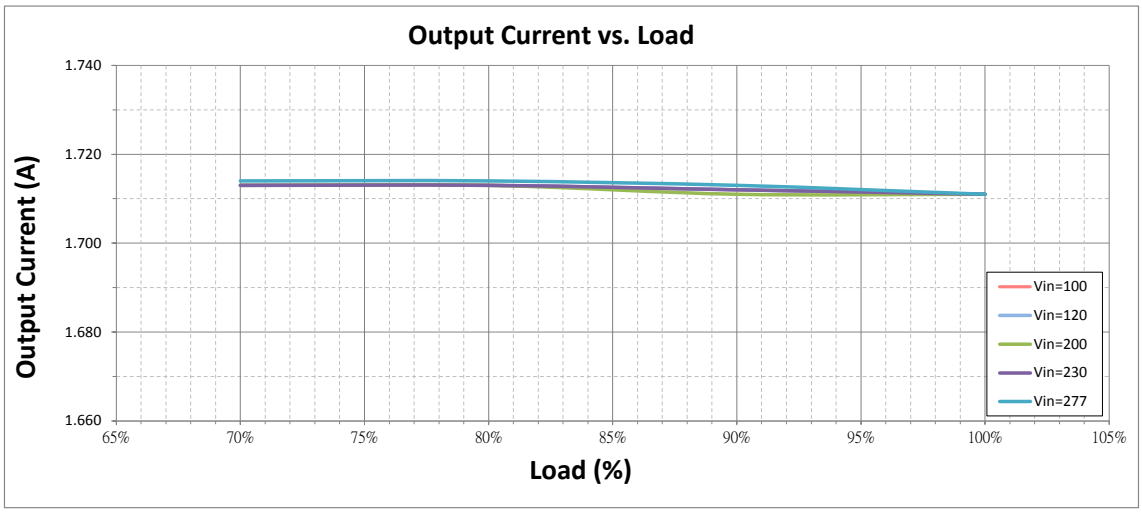
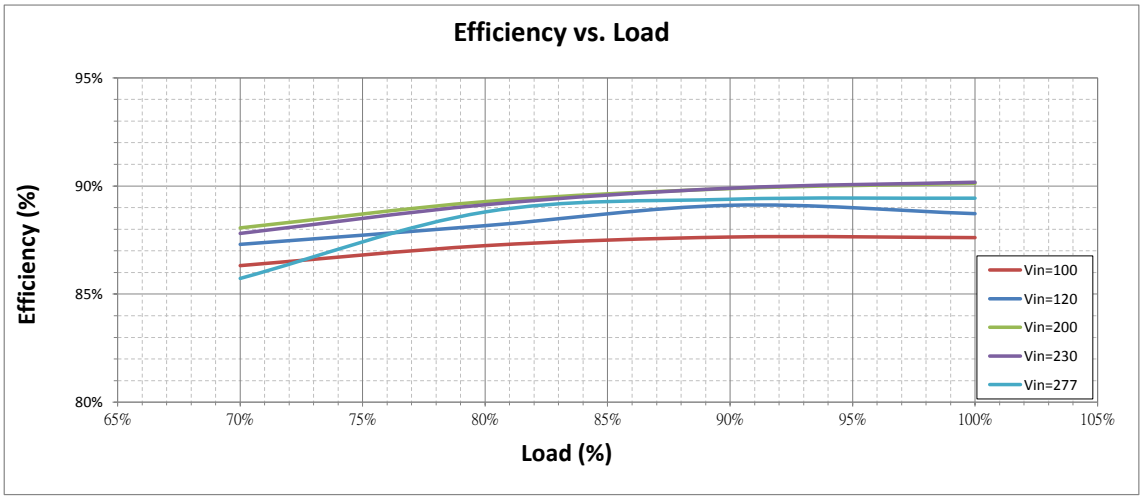
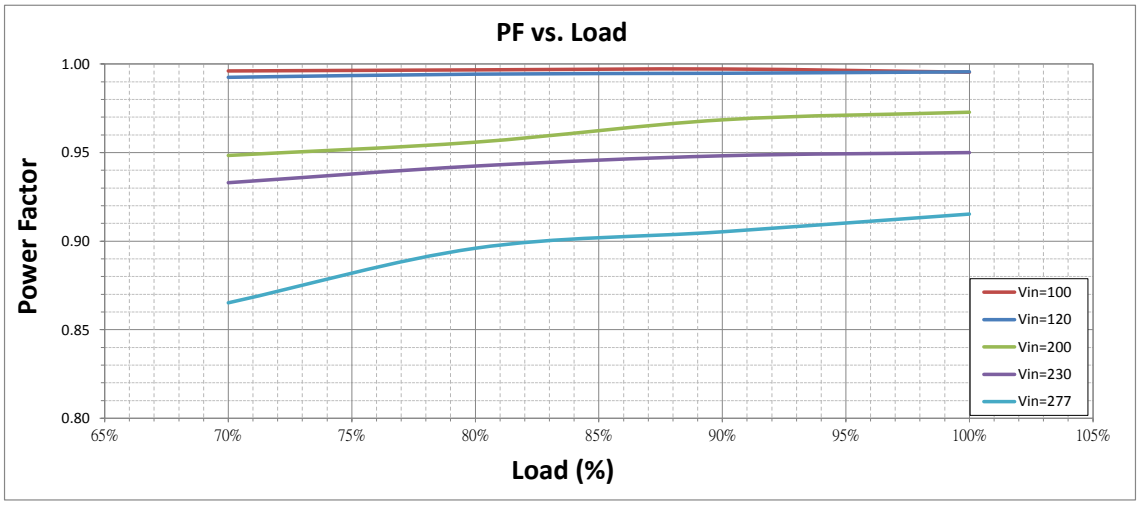
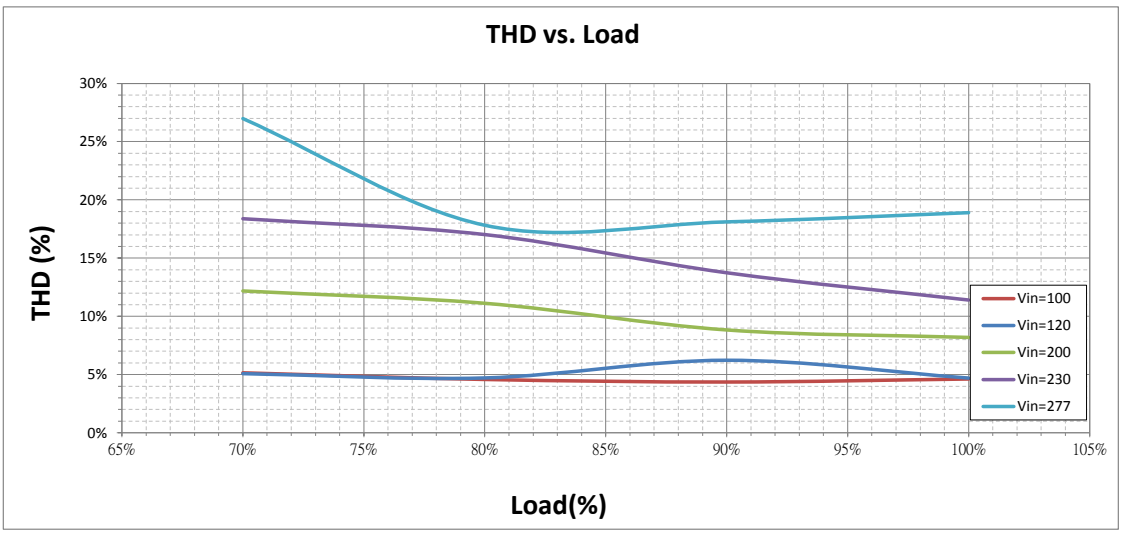
Output Current vs. Load(LCCH-080P480-E0)



Efficiency vs. Load(LCCH-080P480-E0)



PF vs. Load(LCCH-080P480-E0)



THD vs. Load(LCCH-080P480-E0)