

Model	XLN3640	XLN6024	XLN8018	XLN10014	XLN15010	XLN30052	XLN60026
Output Rating							
Output Voltage	0-36 V	0-60 V	0-80 V	0-100 V	5-150 V	5-300 V	5-600 V
Output Current	0-40 A	0-24 A	0-18 A	0-14.4 A	0.04-10.4 A	0.02-5.2 A	0.01-2.6 A
Output Protection							
OVP Adjustment Range	2-38 V	3-64 V	4-85 V	5-105 V	5-158 V	5-315 V	5-630 V
OVP Accuracy	200 mV	300 mV	400 mV	500 mV	750 mV	1.5 V	3 V
Line Regulation							
Voltage	≤ 4 mV	≤ 6 mV	≤ 8 mV	≤ 10 mV	≤ 17 mV	≤ 32 mV	≤ 62 mV
Current	≤ 4 mA	≤ 4 mA	≤ 4 mA	≤ 4 mA	≤ 20.8 mA	≤ 10.4 mA	≤ 5.2 mA
Load Regulation							
Voltage	≤ 8 mV	≤ 8 mV	≤ 10 mV	≤ 12 mV	≤ 17 mV	≤ 32 mV	≤ 62 mV
Current	≤ 8 mA	≤ 7 mA	≤ 6.5 mA	≤ 6 mA	≤ 40.4 mA	≤ 20.8 mA	≤ 10.4 mA
Ripple and Noise (20 Hz-20 MHz)							
Normal Mode Voltage (Load ≥ 0.5 % of max load)	≤ 5 mVrms / ≤ 60 mVpp	≤ 6 mVrms / ≤ 70 mVpp	≤ 7 mVrms / ≤ 80 mVpp	≤ 8 mVrms / ≤ 80 mVpp	≤ 10 mVrms / ≤ 100 mVpp	≤ 25 mVrms / ≤ 150 mVpp	≤ 50 mVrms / ≤ 300 mVpp
Normal Mode Current	≤ 90 mA	≤ 70 mA	≤ 50 mA	≤ 40 mA	≤ 15 mA	≤ 10 mA	≤ 5 mA
Programming Resolution							
Programming & Readback	1 mV / 1 mA	1.5 mV / 1 mA	2 mV / 1 mA	2.5 mV / 1 mA	10 mV / 1 mA		
Programming and Readback Accuracy ±(% output+offset)							
Voltage	0.05 %+10 mV	0.05 %+15 mV	0.05 %+20 mV	0.05 %+25 mV	0.05 %+75 mV	0.05 %+150 mV	0.05 %+300 mV
Current	0.05 %+10 mA	0.05 %+18 mA	0.05 %+7 mA	0.05 %+6 mA	0.1 %+30 mA	0.1 %+15.6 mA	0.1 %+7.8 mA
General							
Average Command Response Time	≤ 50 ms						
Power Factor Correction (PFC)	≥ 0.99 (Full load)						
Efficiency	≥ 80 % (Full load)						
Remote Sense Compensation	2 V				5 V		
Rise Time at Full Load	≤ 15 ms	≤ 20 ms	≤ 25 ms	≤ 30 ms	≤ 100 ms		
Rise Time at No Load	≤ 15 ms	≤ 20 ms	≤ 25 ms	≤ 30 ms	≤ 100 ms		
Fall Time at Full Load	≤ 15 ms	≤ 20 ms	≤ 25 ms	≤ 30 ms	≤ 100 ms		
Fall Time at No Load	≤ 1000 ms				≤ 1000 ms	≤ 2000 ms	≤ 3000 ms
Transient Response Time	≤ 1 ms				≤ 2 ms		
AC Line Rated Input Voltage/Hz	100-240 VAC / 47 Hz-63 Hz						
Tolerance/Variation in Voltage	-15 % to +10 % (10 % power de-rating mode when voltage under 95 VAC)						
Maximum Rated Input Power	1700 VA				1950 VA		
Temperature Ratings	Operation (0 °C - 40 °C) / Storage (-10 °C - 70 °C)						
Standard Interface	USB, RS485, analog Interface						
Optional Interface	LAN, GPIB						
Electromagnetic Compatibility	EMC DIRECTIVE 2004/108/EC, EN61326-1 : 2006, CISPR11, Class B, EN 61000-3-2 : 2006, EN 61000-3-3 : 1995 + A1 : 2001 + A2 : 2005, EN 61000-4-2/-3/-4/-5/-6/-11						
Safety	EN61010-1:2001, EU Low Voltage Directive 2006/95/EC						
Dimensions (W x H x D)	16.5" x 1.72" x 17" (420 x 43.6 x 432 mm)				16.5" x 1.74" x 18.1" (420 x 44.2 x 460 mm)		
Weight	19.8 lbs. (9 kg)						
Three-Year Warranty							
Included Accessories	User manual, power cord, rackmount kit, test report & certificate of calibration, terminal blocks for output connectors (high current models only)						