



The coil driver is powered with a standard three-prong power cord that inserts into the AC Power Module on the rear panel. The unit can operate from a 90 to 264 VAC and a line frequency between 47 and 63 Hz. The AC power module contains the line fuse, which is a medium-blow type rated at 1 A / 250 V and measuring 5 × 20 mm.

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Output Current ¹	I_o	$R_{Load} < 1\Omega$	-3.0		+3.0	A
Voltage Input Range Differential	V_i		-3		+3	V
Common-Mode	V_{CM}		-7		+7	V
Input Impedance Differential	Z_i	DC Resistance		20		M Ω
Common-Mode	Z_{CM1}, Z_{CM2}	DC Resistance	9.99		10.1	M Ω
Accuracy Zero-Point Offset		$V_i = 0$	-1	0.1	1	% mA
Slope			0.999		1.001	A/V
Current Monitor Slope			0.99	1.00	1.01	V/A
Bandwidth ²				16		kHz
Dynamic Performance ³ Full Power Bandwidth (-3 dB)		0 – 3 A		500		Hz
Step Response ⁴				1		ms
Load Impedance for Stability DC Resistance	R_{Load}		2		6	Ω
Inductance			0.5		4	mH
Output Noise Integrated Broadband		10 Hz – 1 MHz		200	720	μA_{RMS}
Peak		10 Hz – 10 MHz		10	20	μA_{RMS}
Common Mode Rejection Ratio (CMRR) f = 100 Hz		$Z_0 = 100\Omega$		96		dB
f = 1 kHz				95		
f = 10 kHz				82		
f = 100 kHz				60		
AC Power Requirements Voltage			90		264	VAC
Frequency			47		63	Hz
Physical Dimensions		h x w x d		5.22 x 8.37 x 16		inches
Weight				13.3 x 21.3 x 40.6		cm
				10		lbs
				4.54		kg

¹ Output currents only specified for load resistances R_{LOAD} less than 1 Ω .

² Each current monitor output consists of a series 100 Ω resistor and 0.1 μF capacitor to the ground terminal. The bandwidth is only specified when connected to a high-impedance load, such as an oscilloscope input.

³ Dynamic performance, including bandwidth and step response, depends on the inductance of the load.

⁴ Values from 10% to 90% of the pulse height.