



| Parameter   | Symbol                            | Conditions                     | Min         | Typ  | Max        | Unit                      |
|---|-----------------------------------|--------------------------------|-------------|--|------------|---------------------------|
| Output Current <sup>1</sup>   | $I_o$                             | $R_{Load} < 1 \Omega$          | 0           |  | +20        | A                         |
| Voltage Input Range<br>Differential<br>Common-Mode  | $V_i$<br>$V_{CM}$                 |                                | 0<br>-10    |  | +10<br>0   | V<br>V                    |
| Input Impedance<br>Differential<br>Common-Mode  | $Z_i$<br>$Z_{CM1}$ ,<br>$Z_{CM2}$ | DC Resistance<br>DC Resistance | 9.99        | 20   | 10.1       | M $\Omega$<br>M $\Omega$  |
| Accuracy<br>Zero-Point Offset<br>Slope  |                                   | $V_i = 0$                      | -1<br>1.998 | 0.1  | 1<br>2.002 | %<br>mA<br>A/V            |
| Current Monitor<br>Slope<br>Bandwidth <sup>2</sup>  |                                   |                                | 1.98        | 2.00<br>16   | 2.02       | V/A<br>kHz                |
| Dynamic Performance <sup>3</sup><br>Step Response <sup>4</sup>                                |                                   | 0 – 20 A                       |             | 0.15   |            | ms                        |
| Load Impedance for<br>Stability<br>DC Resistance<br>Inductance                                | $R_{Load}$                        |                                | 0<br>0      |  | 1<br>200   | $\Omega$<br>$\mu$ H       |
| Common Mode<br>Rejection Ratio (CMRR)<br>f = 100 Hz<br>f = 1 kHz<br>f = 10 kHz<br>f = 100 kHz |                                   | $Z_0 = 100 \Omega$             |             | 96<br>95<br>82<br>60                                 |            | dB                        |
| AC Power Requirements<br>Voltage<br>Frequency   |                                   |                                | 85<br>47    |  | 264<br>63  | VAC<br>Hz                 |
| Physical<br>Dimensions<br><br>Weight  |                                   | h x w x d                      |             | 3.47 x 8.37 x 16<br>13.3 x 21.3 x 40.6<br>7.5<br>3.4 |            | inches<br>cm<br>lbs<br>kg |

<sup>1</sup> Output currents only specified for load resistances  $R_{LOAD}$  less than 1  $\Omega$ .

<sup>2</sup> Each current monitor output consists of a series 100  $\Omega$  resistor and 0.1  $\mu$ F capacitor to the ground terminal. The bandwidth is only specified when connected to a high-impedance load, such as an oscilloscope input.

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

<sup>4</sup> Values from 10% to 90% of the pulse height.