## ac Pow er Solutions (cont'd)

| SPECIFIC | IIONS | (per phase for a sine wave with a resistive load at $0^{\circ}$ to $40^{\circ} \mathrm{C}$, within an output frequency range of 45 Hz to 1000 Hz , and in ac coupled mode after a 30 minute warm-up unless otherw ise noted. Note: For 6814B, 6834B and 6843A outpu voltage must be at least $50 \%$ of range.) ${ }^{1}$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 6811B | 6812B | 6813B | 6814B | 6834B | 6843A |
| Number of phases |  | 1 | 1 | 1 | 1 | 1/3 | 1 |
| Output ratings (M aximum) | Power | 375 VA | 750 VA | 1750 VA | 3000 VA | 4500 VA/1500 VA | 4800 VA |
|  | rms voltage | 300 V | 300 V | 300 V | 300 V (high range) <br> 150 V (low range) | 300 V (high range) <br> 150 V (low range) | 300 V (high range) <br> 150 V (low range) |
|  | rms current | 3.25 A | 6.5 A | 13 A | ${ }^{2} 10 \mathrm{~A}$ (300 V range) ${ }^{2} 20 \mathrm{~A}$ (150 V range) | ${ }^{2} 15 \mathrm{~A} / 5 \mathrm{~A}$ (300 V range) ${ }^{2} 30 \mathrm{~A} / 10 \mathrm{~A}$ ( 150 V range) | 16 A (300 V range) 32 A ( 150 V range) |
|  | Repetitive \& non-repetitive peak current | 40 A | 40 A | 80 A | 40 A ( 300 V range) 80 A (150 V range) | $60 \mathrm{~A} / 20 \mathrm{~A}$ ( 300 V range) $120 \mathrm{~A} / 40 \mathrm{~A}$ ( 150 V range) | 48 A (300 V range) 96 A ( 150 V range) |
|  | Crestfactor | 12 | 6 | 6 | 4 | 4 | 3 |
|  | Load Power factor capability | 0 to 1 | 0 to 1 | 0 to 1 | 0 to 1 | 0 to 1 | 0 to 1 |
|  | dc power | 285 W | 575 W | 1350 W | N/A | N/A | N/A |
|  | dc voltage | $\pm 425 \mathrm{~V}$ | $\pm 425 \mathrm{~V}$ | $\pm 425 \mathrm{~V}$ | N/A | N/A | N/A |
|  | dc current | 2.5 A | 5.0 A | 10.0 A | N/A | N/A | N/A |
| Output frequency range |  | $\begin{aligned} & \mathrm{dc} ; 45 \mathrm{~Hz} \text { to } \\ & 1 \mathrm{kHz} \end{aligned}$ | $\begin{aligned} & \mathrm{dc} ; 45 \mathrm{~Hz} \text { to } \\ & 1 \mathrm{kHz} \end{aligned}$ | $\begin{aligned} & \mathrm{dc} ; 45 \mathrm{~Hz} \text { to } \\ & 1 \mathrm{kHz} \end{aligned}$ | 45 Hz to 5 kHz | 45 Hz to 5 kHz | 45 Hz to 1 kHz |
| Constant voltage ripple and noise | ( 20 kHz to 10 M Hz ) | -60 dB (relative to full scale) | -60 dB (relative to full scale) | -60 dB (relative to full scale) | -60 dB (relative to full scale) | -60 dB (relative to full scale) | -60 dB (relative to full scale) |
| Line regulation | (\% of full scale) | 0.1\% | 0.1\% | 0.1\% | 0.1\% | 0.1\% | 0.1\% |
| Load regulation | (\% of full scale) | 0.5\% | 0.5\% | 0.5\% | 0.5\% | 0.5\% | 0.5\% |
| Maximum total harmonic distortion |  | $0.25 \%$ at $50 / 60 \mathrm{~Hz}$ <br> 1\% worst case 45 to 1 kHz | $0.25 \%$ at $50 / 60 \mathrm{~Hz}$ <br> $1 \%$ worst case 45 to 1 kHz | $0.25 \%$ at $50 / 60 \mathrm{~Hz}$ <br> 1\% worstcase 45 to 1 kHz | $\begin{aligned} & 1 \%(45-1000 \mathrm{~Hz}) \\ & 1 \%+1 \% / \mathrm{kHz} \\ & (>1 \mathrm{kHz}-5 \mathrm{kHz}) \end{aligned}$ | $\begin{aligned} & 1 \%(45-1000 \mathrm{~Hz}) \\ & 1 \%+1 \% / \mathrm{kHz} \\ & (>1 \mathrm{kHz}-5 \mathrm{kHz}) \end{aligned}$ | $\begin{aligned} & 1 \%(45-1000 \mathrm{~Hz}) \\ & 1 \%+1 \% / \mathrm{kHz} \\ & (>1 \mathrm{kHz}-5 \mathrm{kHz}) \end{aligned}$ |


| SPECIFICATIONS (CONTINUED) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 6811B | 6812B | 6813B | 6814B | 6834B | 6843A |
| Programming accuracy ( $25^{\circ} \pm 5^{\circ} \mathrm{C}$ ) |  |  |  |  |  |  |
| Number of Phases | 1 | 1 | 1 | 1 | 1/3 | 1 |
| RM S Voltage <br> (\% of output +offset) | $\begin{aligned} & 0.15 \%+0.3 \mathrm{~V} \\ & (45-100 \mathrm{~Hz}) \\ & 0.5 \%+0.3 \mathrm{~V} \\ & (>100-500 \mathrm{~Hz}) \\ & 1 \%+0.3 \mathrm{~V} \\ & (>500-1000 \mathrm{~Hz}) \end{aligned}$ | $\begin{aligned} & 0.15 \%+0.3 \mathrm{~V} \\ & (45-100 \mathrm{~Hz}) \\ & 0.5 \%+0.3 \mathrm{~V} \\ & (>100-500 \mathrm{~Hz}) \\ & 1 \%+0.3 \mathrm{~V} \\ & (>500-1000 \mathrm{~Hz}) \end{aligned}$ | $\begin{array}{\|l} 0.15 \%+0.3 \mathrm{~V} \\ (45-100 \mathrm{~Hz}) \\ 0.5 \%+0.3 \mathrm{~V} \\ (>100-500 \mathrm{~Hz}) \\ 1 \%+0.3 \mathrm{~V} \\ (>500-1000 \mathrm{~Hz}) \end{array}$ | $\begin{aligned} & 0.15 \%+0.3 \mathrm{~V} \\ & (45-100 \mathrm{~Hz}) \\ & 0.5 \%+0.3 \mathrm{~V} \\ & (>100-500 \mathrm{~Hz}) \\ & 1 \%+0.3 \mathrm{~V} \\ & (>500-5000 \mathrm{~Hz}) \end{aligned}$ | $\begin{array}{\|l} 0.15 \%+0.3 \mathrm{~V} \\ (45-100 \mathrm{~Hz}) \\ 0.5 \%+0.3 \mathrm{~V} \\ (>100-500 \mathrm{~Hz}) \\ 1 \%+0.3 \mathrm{~V} \\ (>500-5000 \mathrm{~Hz}) \end{array}$ | $\begin{aligned} & 0.15 \%+0.3 \mathrm{~V} \\ & (45-100 \mathrm{~Hz}) \\ & 0.5 \%+0.3 \mathrm{~V} \\ & (>100-500 \mathrm{~Hz}) \\ & 1 \%+0.3 \mathrm{~V} \\ & (>500-1000 \mathrm{~Hz}) \end{aligned}$ |
| DC voltage | $0.1 \%+0.5 \mathrm{~V}$ | $0.1 \%+0.5 \mathrm{~V}$ | $0.5 \%+0.3 \mathrm{~V}$ | N/A | N/A | N/A |
| Frequency | $0.01 \%+10 \mu \mathrm{~Hz}$ | $0.01 \%+10 \mu \mathrm{~Hz}$ | $0.01 \%+10 \mu \mathrm{~Hz}$ | $0.01 \%+10 \mu \mathrm{~Hz}$ | $0.01 \%+10 \mu \mathrm{~Hz}$ | $0.01 \%+10 \mu \mathrm{~Hz}$ |
| 3 Phase Mode (6834B only) | N/A | N/A | N/A | N/A | $\begin{array}{\|l} \hline 0.1^{\circ}(45-100 \mathrm{~Hz}) \\ 1^{\circ}(>100-1 \mathrm{kHz}) \\ 1^{\circ}+1^{\circ} / \mathrm{kHz} \\ (>1 \mathrm{kHz}-5 \mathrm{kHz}) \end{array}$ | N/A |

For a completeli st of speci fi cati ons for Agi lent's ac power soluti ons, pleaseseetheoperating manual on our web si teat http:// www.agi lent.com/fi nd/manuals

## ac Power Solutions (cont'd)

SPECIFICATIONS (CONTINUED)
(per phase for a sine wave with a resistive load at $0^{\circ}$ to $40^{\circ} \mathrm{C}$, within an output frequency range of 45 Hz to 1000 Hz , and in ac coupled mode after a 30 minute warm-up unless otherw ise noted. Note: For 6814B, 6834B and 6843A output voltage must be at least $50 \%$ of range. $)^{1}$

|  | 6811B | 6812B | 6813B | 6814B | 6834B | 6843A |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Measurement accuracy ( $25^{\circ} \pm 5^{\circ} \mathrm{C}$ ) |  | $0.03 \%+100 \mathrm{mV}^{3}$ | $0.03 \%+100 \mathrm{mV}^{3}$ | 0.05\% + 250 mV | 0.05\% + 250 mV | 0.05\% + 250 mV |
|  | $0.03 \%+100 \mathrm{mV}^{3}$ |  |  |  |  |  |
| dc Voltage | $0.05 \%+150 \mathrm{mV}^{3}$ | $0.05 \%+150 \mathrm{mV}^{3}$ | $0.05 \%+150 \mathrm{mV}^{3}$ | N/A | N/A | N/A |
| RM S Current ( $\mathbf{4 5} \cdot \mathbf{1 0 0 \mathrm { Hz } ) ^ { 4 }}$ high range <br> low range | $\begin{aligned} & 0.05 \%+10 \mathrm{~mA} \\ & 0.05 \%+1.5 \mathrm{~mA} \end{aligned}$ | $\begin{aligned} & 0.05 \%+10 \mathrm{~mA} \\ & 0.05 \%+1.5 \mathrm{~mA} \end{aligned}$ | $\begin{aligned} & 0.05 \%+10 \mathrm{~mA} \\ & 0.05 \%+1.5 \mathrm{~mA} \end{aligned}$ | $\begin{aligned} & 0.1 \%+50 \mathrm{~mA} \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | $\begin{aligned} & 0.1 \%+50 \mathrm{~mA}(1 \Phi) \\ & 0.1 \%+25 \mathrm{~mA}(3 \Phi) \\ & \mathrm{N} / \mathrm{A} \end{aligned}$ | $\begin{aligned} & 0.1 \%+50 \mathrm{~mA} \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ |
| $\begin{aligned} & \text { Pow er (VA) }(\mathbf{4 5 - 1 0 0 ~ H z})^{4} \\ & \text { high range } \\ & \text { low range } \end{aligned}$ | $\begin{aligned} & 0.1 \%+1.5 \mathrm{VA}+ \\ & 12 \mathrm{mVA} / \mathrm{V} \\ & 0.1 \%+1.5 \mathrm{VA} \\ & +1.2 \mathrm{mVA} / \mathrm{V} \end{aligned}$ | $\begin{aligned} & 0.1 \%+1.5 \mathrm{VA}+ \\ & 12 \mathrm{mVA} / \mathrm{V} \\ & 0.1 \%+1.5 \mathrm{VA} \\ & +1.2 \mathrm{mVA} / \mathrm{V} \end{aligned}$ | $\begin{aligned} & \hline 0.1 \%+1.5 \text { VA }+ \\ & 12 \mathrm{mVA} / \mathrm{V} \\ & 0.1 \%+1.5 \text { VA } \\ & +1.2 \mathrm{mVA} / \mathrm{V} \end{aligned}$ | $\begin{aligned} & 0.15 \%+5 \mathrm{VA} \\ & \text { N/A } \\ & \text { N/A } \end{aligned}$ | $\begin{aligned} & \text { 0.15\% + } 5 \text { VA ( } 1 \Phi \text { ) } \\ & 0.15 \%+3 \text { VA (3 }) \\ & \text { N/A } \\ & \text { N/A } \end{aligned}$ | $\begin{aligned} & 0.15 \%+9 \mathrm{VA} \\ & \text { N/A } \\ & \text { N/A } \end{aligned}$ |
| Pow er (w atts) (45-100 Hz) ${ }^{4}$ high range low range | $\begin{aligned} & 0.1 \%+0.3 \mathrm{~W}+ \\ & 12 \mathrm{~mW} / \mathrm{V} \\ & 0.1 \%+0.3 \mathrm{~W}+ \\ & +1.2 \mathrm{~mW} / \mathrm{V} \end{aligned}$ | $\begin{aligned} & 0.1 \%+0.3 \mathrm{~W}+ \\ & 12 \mathrm{~mW} / \mathrm{V} \\ & 0.1 \%+0.3 \mathrm{~W}+ \\ & +1.2 \mathrm{~mW} / \mathrm{V} \end{aligned}$ | $\begin{aligned} & 0.1 \%+0.3 \mathrm{~W}+ \\ & 12 \mathrm{~mW} / \mathrm{V} \\ & 0.1 \%+0.3 \mathrm{~W}+ \\ & +1.2 \mathrm{~mW} / \mathrm{V} \end{aligned}$ | $\begin{aligned} & \text { 0.15\% + } 5 \text { W } \\ & \text { N/A } \\ & \text { N/A } \\ & \text { N/A } \end{aligned}$ | $\begin{aligned} & 0.15 \%+5 \mathrm{~W}(1 \Phi) \\ & 0.15 \%+3 \mathrm{~W}(3 \Phi) \\ & \text { N/A } \\ & \text { N/A } \end{aligned}$ | $\begin{aligned} & 0.15 \%+9 W \\ & \text { N/A } \\ & \text { N/A } \end{aligned}$ |
| Frequency | $0.01 \%+0.01 \mathrm{~Hz}$ | $0.01 \%+0.01 \mathrm{~Hz}$ | $0.01 \%+0.01 \mathrm{~Hz}$ | $0.01 \%+0.01 \mathrm{~Hz}$ | $0.01 \%+0.01 \mathrm{~Hz}$ | $0.01 \%+0.01 \mathrm{~Hz}$ |
| Pow er Factor | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Regulatory Test Solutions IEC mode measurement system characteristics (6812B , 6813B and 6843A only) |  |  |  |  | N/A | $50 / 60 \mathrm{~Hz}$ |
| Output frequency range | N/A | $50 / 60 \mathrm{~Hz}$ | $50 / 60 \mathrm{~Hz}$ | N/A |  |  |
| Reference impedence accuracy | N/A | $\begin{aligned} & 3 \% \text { (at } 0.4 \Omega \text { and } 796 \mathrm{mH} \text { ) } \\ & 1 \% \text { (at } 0.4 \Omega \text { and } 796 \\ & \mathrm{mH} \text { at } 25^{\circ} \text { ) } \end{aligned}$ | $\begin{aligned} & \hline 3 \% \text { (at } 0.4 \Omega \text { and } 796 \mathrm{mH} \text { ) } \\ & 1 \% \text { (at } 0.4 \Omega \text { and } 796 \\ & \mathrm{mH} \text { at } 25^{\circ} \text { ) } \\ & \hline \end{aligned}$ | N/A | N/A | $\begin{aligned} & 3 \% \text { (at } 0.4 \Omega \text { and } 796 \mathrm{mH} \text { ) } \\ & 1 \% \text { (at } 0.4 \Omega \text { and } 796 \\ & \mathrm{mH} \text { at } 25^{\circ} \text { ) } \\ & \hline \end{aligned}$ |
| Output voltage harmonic content ${ }^{6}$ | N/A | Compliant withIEC 868 and IEC 61000-3-2 | Compliant with IEC 868 and IEC 61000-3-2 | N/A | N/A | Compliant with IEC 868 and IEC 61000-3-2 |
| Measurment accuracy |  |  |  |  |  |  |
| Current magnitude (low range) | Fundamental Harmonics 2-49 | $\begin{aligned} & 0.03 \%+1.5 \mathrm{~mA} \\ & 0.03 \%+1 \mathrm{~mA}+0.2 \% / \mathrm{kHz} \end{aligned}$ | $\begin{aligned} & 0.03 \%+1.5 \mathrm{~mA} \\ & 0.03 \%+1 \mathrm{~mA}+0.2 \% / \mathrm{kHz} \end{aligned}$ | N/A | N/A | $\begin{aligned} & 0.03 \%+3 \mathrm{~mA} \\ & 0.03 \%+2 \mathrm{~mA}+0.2 \% / \mathrm{kHz} \end{aligned}$ |
| Current magnitude (high range) | Fundamental Harmonics 2-49 | $\begin{aligned} & 0.05 \%+5 \mathrm{~mA} \\ & 0.05 \%+3 \mathrm{~mA}+0.2 \% / \mathrm{kHz} \end{aligned}$ | $\begin{array}{l\|} \hline 0.05 \%+5 \mathrm{~mA} \\ 0.05 \%+3 \mathrm{~mA}+0.2 \% / \mathrm{kHz} \end{array}$ | N/A | N/A | $\begin{aligned} & 0.05 \%+6 \mathrm{~mA} \\ & 0.05 \%+3 \mathrm{~mA}+0.2 \% / \mathrm{kHz} \end{aligned}$ |
| Flicker | N/A | Compliant with IEC 868 | Compliant with IEC 868 | N/A | N/A | Compliant with IEC 868 |
| Flicker Perceptibility (PST) | N/A | Compliant with IEC 868 | Compliant with IEC 868 | N/A | N/A | Compliant with IEC 868 |
| Synchronization accuracy | N/A | <lppm | <lppm | N/A | N/A | <lppm |
| Current shunt burden | N/A | 0 volts | 0 volts | N/A | N/A | 0 volts |
| Currentharmonic smoothing filter time constant | N/A | 1.5 seconds | 1.5 seconds | N/A | N/A | 1.5 seconds |
| Pstintegration time | N/A | 1, 5, 10 or 15 minutes | $1,5,10$ or 15 minutes | N/A | N/A | $1,5,10$ or 15 minutes |

IEC M ode Measurement System Characteristics

|  | Sample Rate | Window Width | Acquisition Overlap |
| :---: | :---: | :---: | :---: |
| 50 Hz Operation <br> Rectangular measurement window Hanning measurement window | $\begin{aligned} & 12.8 \mathrm{kHz} \\ & 8.533 \mathrm{kHz} \end{aligned}$ | 16 cycles <br> 24 cycles | None $50 \%$ |
| 50 Hz Operation Rectangular measurement window Hanning measurement window | $\begin{aligned} & 15.360 \mathrm{kHz} \\ & 7.680 \mathrm{kHz} \end{aligned}$ | 16 cycles <br> 24 cycles | None 50\% |

Notes:
${ }^{1}$ It is possible to program the output frequency of the 6812 B and 6813 B from dc to 45 Hz (please see note 3).
${ }^{2}$ Full current is available at voltages betw een $50 \%$ and $100 \%$ of the output voltage range.
${ }^{3}$ Product may be operated betw een dc and 45 Hz subject to the follow ing conditions:
M easurements may be extended to 4.5 Hz at full accuracy only by selecting a digitization rate of $250 \mu$ seconds per point
Frequency content of the measured signal must be limited to 4 k Hz or less to avoid aliasing effects
${ }^{4}$ Select low measurement range for improved accuracy (10:1) for lower pow er measurements.
${ }^{5}$ Single-phase operation.
${ }^{6}$ Output voltage harmonic content specification is limited for the 6843A for half-w ave rectified/Class C loads. Compliance will be tested, verified and reported by the RTS softw are for all Devices Under Test

## AGILENT ac POWER SOLUTIONS

## ac Pow er Solutions (cont'd)

SUPPLEMENIAI CHARACIERISIICS (non-warranted characteristics determined by design that are useful in applying the product)

|  | 6811B | 6812B | 6813B | 6814B | 6834B | 6843A |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Average programming accuracy (\% of output +offset) rms current | $1.2 \%+50 \mathrm{~mA}$ | $1.2 \%+50 \mathrm{~mA}$ | $1.2 \%+50 \mathrm{~mA}$ | $0.2 \%+80 \mathrm{~mA}$ | $\begin{aligned} & 0.2 \%+80 \mathrm{~mA}(1 \Phi) \\ & 0.2 \%+40 \mathrm{~mA}(3 \Phi) \end{aligned}$ | $0.2 \%+80 \mathrm{~mA}$ |
| Average programming resolution rms voltage dc voltage Overvoltage programming (OVP) rms current peak current output frequency phase | 125 mV <br> 250 mV <br> 2 V peak <br> 2 mA <br> 12.5 mA <br> $10 \mu \mathrm{~Hz}$ <br> N/A | 125 mV <br> 250 mV <br> 2 V peak <br> 4 mA <br> 25 mA <br> $10 \mu \mathrm{~Hz}$ <br> N/A | 125 mV <br> 250 mV <br> 2 V peak <br> 4 mA <br> 25 mA <br> $10 \mu \mathrm{~Hz}$ <br> N/A | 80 mV <br> N/A <br> 2 V peak <br> 5 mA <br> N/A <br> $10 \mu \mathrm{~Hz}$ <br> N/A | $\begin{aligned} & 80 \mathrm{mV} \\ & \mathrm{~N} / \mathrm{A} \\ & 2 \mathrm{~V} \text { peak } \\ & 7.5 \mathrm{~mA}(1 \Phi), 2.5 \mathrm{~mA}(3 \Phi) \\ & \mathrm{N} / \mathrm{A} \\ & 10 \mu \mathrm{~Hz} \\ & \mathrm{~N} / \mathrm{A} \\ & \hline \end{aligned}$ | $\begin{aligned} & 80 \mathrm{mV} \\ & \mathrm{~N} / \mathrm{A} \\ & 2 \mathrm{~V} \text { peak } \\ & 7.5 \mathrm{~mA} \\ & \mathrm{~N} / \mathrm{A} \\ & 10 \mu \mathrm{~Hz} \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ |
| Average measurement resolution rms voltage rms current | $\begin{aligned} & 10 \mathrm{mV} \\ & 2 \mathrm{~mA} \end{aligned}$ | $\begin{aligned} & 10 \mathrm{mV} \\ & 2 \mathrm{~mA} \end{aligned}$ | $\begin{aligned} & 10 \mathrm{mV} \\ & 2 \mathrm{~mA} \end{aligned}$ | $\begin{aligned} & 10 \mathrm{mV} \\ & 3 \mathrm{~mA} \end{aligned}$ | $\begin{aligned} & 10 \mathrm{mV} \\ & 2 \mathrm{~mA}(1 \Phi) / 6 \mathrm{~mA}(3 \Phi) \end{aligned}$ | $\begin{aligned} & 10 \mathrm{mV} \\ & 6 \mathrm{~mA} \end{aligned}$ |
| Programmable output impedance resistance inductance | $\begin{aligned} & 0-1 \Omega \\ & 20 \mu \mathrm{~h}-1 \mathrm{mh} \end{aligned}$ | $\begin{aligned} & 0-1 \Omega \\ & 20 \mu \mathrm{~h}-1 \mathrm{mh} \end{aligned}$ | $\begin{aligned} & 0-1 \Omega \\ & 20 \mu \mathrm{~h}-1 \mathrm{mh} \end{aligned}$ | $\begin{aligned} & \mathrm{N} / \mathrm{A} \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | $\begin{aligned} & \mathrm{N} / \mathrm{A} \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ | $\begin{aligned} & \mathrm{N} / \mathrm{A} \\ & \mathrm{~N} / \mathrm{A} \end{aligned}$ |
| Remote sense capability | Up to 1 Vrms can be dropped across each load lead. |  |  | Up to 10 Vrms can be dropped across each load lead. |  |  |
| Isolation to ground | $300 \mathrm{Vrms} / 425 \mathrm{Vdc}$ | $300 \mathrm{Vrms} / 425 \mathrm{Vdc}$ | $300 \mathrm{Vrms} / 425 \mathrm{Vdc}$ | 300 Vrms | 300 Vrms | 300 Vrms |
| Net Weight | 28.2 kg ( 62 lb ) | 28.2 kg ( 62 lb ) | 32.7 kg (72 lb) | 79.5 kg (175 lb) | 87.7 kg (193 lb) | 87.7 kg (193 lb) |
| Shipping Weight | 31.8 kg (70 lb) | 31.8 kg (70 lb) | 36.4 kg (80 lb) | 119.1 kg (262 lb) | $127.3 \mathrm{~kg}(280 \mathrm{lb})$ | 127.3 kg (280 lb) |
| Dimensions | See drawings on page 54 |  |  | See draw ings on page 55 |  |  |

## ac INPUT RATINGS

## Ordering Information

Opt 001H armonic and Flicker Emissions Test (6812B, 6813B, 6843A only) Opt 002 Voltage and Frequency Disturbances Immunity Test (6812B, 6813B, 6843A only)
Opt 003 Interharmonics Immunity Test (6812B, 6813B, 6843A only)
Opt 009 All the RTS software (6812B, 6813B, 6843A only)
Opt OBN Service Manual, extra Operating Guide, and Programming Guide
Opt 1CM Rack-mount Kit, p/n 5062-3977 (quantity 2) (support rails required) E3664AC Cabinet Rails must be ordered when rack mounting the 6814B and 6834B Opt 1CM
Opt 1CP Rack-mount Kit with H andles, p/ n 5062-3983 (support rails required) 6811B, 6812B, 6813B only Support rails, $\mathrm{p} / \mathrm{n}$ 12679B, required when rack mounting the 6811B , 6812B, and 6813B Opt 1CM and Opt 1CP

Opt 10087 to $106 \mathrm{Vac}, 48$ to 63 Hz input (6811B, 6812B only) J apan only
Opt 200 174-220 Vac, 48-63 Hz input (6813B only)J apan only Opt 230191 to $254 \mathrm{Vac}, 48-63 \mathrm{~Hz}$ input ( $6811 \mathrm{~B}, 6812 \mathrm{~B}$ only) Opt 400360 to $440 \mathrm{Vac}, 3$-phase, 47 to 63 Hz input ( 6814 B , 6834B, 6843A only) required for Europe
Opt 83112 AWG, 200 to 240 Vac , unterminated ( $6812 \mathrm{~B}, 6813 \mathrm{~B}$ only) Opt $8324 \mathrm{~mm}^{2}$ wire size, unterminated (6813B only)

Opt $8331.5 \mathrm{~mm}^{2}$ wire size, 200 to 240 Vac , unterminated (6812B only)
Opt 83410 AWG, 100 to 120 Vac, unterminated (6812B only)
Opt 841 Line Cord with NEMA L6-20P; 20 A 250 V Plug (6812B only)
Opt 842 Line Cord with IEC 309; 32 A 220 V plug (6813B only)
Opt 844 Line Cord with NEMA L6-30P; 30 A 250 V Locking Plug (6813B only)
Opt 845 Line Cord with IEC 309; 16 A 220 V Plug (6812B only)
Opt 846 Line Cord with NEMA L6-30P; 30 A 120 V Plug (6812B only)
Opt 847 Line Cord with CEE 7/ 7; 16 A 220 V Plug (6812B only)
Opt 848 Line Cord with BS 546; 15 A 240 V Plug ( 6812 B only)
For ac Line Cord and Cord Options information see pages 44-47.
For Dimension Draw ings see pages 58 and 59.

## 6814B and 6834B Accessories

$\mathrm{p} / \mathrm{n}$ 5060-3513 Three 30 A replacement fuses
for 180 to 440 Vac line
p/n 5063-2310 Heavy duty rack slide kit

