

## List of Voltages & Frequencies (Hz) Around the World

Country	Single-Phase Voltage (Volts)	Three-Phase Voltage (Volts)	Frequency (Hertz)	# of wires (not including ground wire)	Plug Type
Abu Dhabi	230 V	400 V	50 Hz	3, 4	G
Afghanistan	220 V	380 V	50 Hz	4	C/F
Albania	230 V	400 V	50 Hz	4	C/F
Algeria	230 V	400 V	50 Hz	4	C/F
American Samoa	120 V	208 V	60 Hz	3, 4	A/B/F/I
Andorra	230 V	400 V	50 Hz	3, 4	C/F
Angola	220 V	380 V	50 Hz	4	C/F
Anguilla	110 V	120/208 V / 127/220 V / 240/415 V	60 Hz	3, 4	A/B
Antigua and Barbuda	230 V	400 V	60 Hz	3, 4	A/B
Argentina	220 V	380 V	50 Hz	3, 4	C/I
Armenia	230 V	400 V	50 Hz	4	C/F
Aruba	120 V	220 V	60 Hz	3, 4	A/B/F/I
Australia	230 V	400 V	50 Hz	3, 4	I
Austria	230 V	400 V	50 Hz	3, 4	C/F
Azerbaijan	220 V	380 V	50 Hz	4	C/F
Azores	230 V	400 V	50 Hz	3, 4	B/C/F
Bahamas	120 V	208 V	60 Hz	3, 4	A/B
Bahrain	230 V	400 V	50 Hz	3, 4	G
Balearic Islands	230 V	400 V	50 Hz	3, 4	C/F
Bangladesh	220 V	380 V	50 Hz	3, 4	A/C/D/G/K
Barbados	115 V	200 V	50 Hz	3, 4	A/B
Belarus	220 V	380 V	50 Hz	4	C/F
Belgium	230 V	400 V	50 Hz	3, 4	C/E
Belize	110 V / 220 V	190 V / 380 V	60 Hz	3, 4	A/B/G
Benin	220 V	380 V	50 Hz	4	C/E
Bermuda	120 V	208 V	60 Hz	3, 4	A/B
Bhutan	230 V	400 V	50 Hz	4	C/D/G
Bolivia	230 V	400 V	50 Hz	4	A/C

<b>Bonaire</b>	127 V	220 V	50 Hz	3, 4	A/C
<b>Bosnia &amp; Herzegovina</b>	230 V	400 V	50 Hz	4	C/F
<b>Botswana</b>	230 V	400 V	50 Hz	4	D/G
<b>Brazil</b>	127 V / 220 V	220 V / 380 V	60 Hz	3, 4	C/N
<b>British Virgin Islands</b>	110 V	190 V	60 Hz	3, 4	A/B
<b>Brunei</b>	240 V	415 V	50 Hz	4	G
<b>Bulgaria</b>	230 V	400 V	50 Hz	4	C/F
<b>Burkina Faso</b>	220 V	380 V	50 Hz	4	C/E
<b>Burma (officially Myanmar)</b>	230 V	400 V	50 Hz	4	A/C/D/G/I
<b>Burundi</b>	220 V	380 V	50 Hz	4	C/E
<b>Cambodia</b>	230 V	400 V	50 Hz	4	A/C/G
<b>Cameroon</b>	220 V	380 V	50 Hz	4	C/E
<b>Canada</b>	120 V	120/208 V / 240 V / 480 V / 347/600 V	60 Hz	3, 4	A/B
<b>Canary Islands</b>	230 V	400 V	50 Hz	3, 4	C/E/F
<b>Cape Verde</b>	230 V	400 V	50 Hz	3, 4	C/F
<b>Cayman Islands</b>	120 V	240 V	60 Hz	3	A/B
<b>Central African Republic</b>	220 V	380 V	50 Hz	4	C/E
<b>Chad</b>	220 V	380 V	50 Hz	4	C/D/E/F
<b>Channel Islands (Guernsey &amp; Jersey)</b>	230 V	415 V	50 Hz	4	C/G
<b>Chile</b>	220 V	380 V	50 Hz	3, 4	C/L
<b>China, People's Republic of</b>	220 V	380 V	50 Hz	3, 4	A/C/I
<b>Colombia</b>	110 V	220 V / 440 V	60 Hz	3, 4	A/B
<b>Comoros</b>	220 V	380 V	50 Hz	4	C/E
<b>Congo, Democratic Republic of</b>	220 V	380 V	50 Hz	3, 4	C/D/E
<b>Congo, People's Republic of</b>	230 V	400 V	50 Hz	3, 4	C/E
<b>Cook Islands</b>	240 V	415 V	50 Hz	3, 4	I
<b>Costa Rica</b>	120 V	240 V	60 Hz	3, 4	A/B
<b>Côte d'Ivoire (Ivory Coast)</b>	220 V	380 V	50 Hz	3, 4	C/E
<b>Croatia</b>	230 V	400 V	50 Hz	4	C/E
<b>Cuba</b>	110 V / 220 V	190 V	60 Hz	3	A/B/C/L
<b>Curaçao</b>	127 V	220 V / 380 V	50 Hz	3, 4	A/B
<b>Cyprus</b>	230 V	400 V	50 Hz	4	G
<b>Czech Republic</b>	230 V	400 V	50 Hz	3, 4	C/E
<b>Denmark</b>	230 V	400 V	50 Hz	3, 4	C/E/F/K
<b>Djibouti</b>	220 V	380 V	50 Hz	4	C/E
<b>Dominica</b>	230 V	400 V	50 Hz	4	D/G
<b>Dominican Republic</b>	120 V	120/208 V / 277/480 V	60 Hz	3, 4	A/B

Dubai	230 V	400 V	50 Hz	3, 4	G
East Timor (Timor-Leste)	220 V	380 V	50 Hz	4	C/E/F/I
Ecuador	120 V	208 V	60 Hz	3, 4	A/B
Egypt	220 V	380 V	50 Hz	3, 4	C/F
El Salvador	120 V	200 V	60 Hz	3	A/B
England	230 V	415 V	50 Hz	4	G
Equatorial Guinea	220 V	[unavailable]	[unavailable]	[unavailable]	C/E
Eritrea	230 V	400 V	50 Hz	4	C/L
Estonia	230 V	400 V	50 Hz	4	C/F
Ethiopia	220 V	380 V	50 Hz	4	C/F
Faeroe Islands	230 V	400 V	50 Hz	3, 4	C/E/F/K
Falkland Islands	240 V	415 V	50 Hz	4	G
Fiji	240 V	415 V	50 Hz	3, 4	I
Finland	230 V	400 V	50 Hz	3, 4	C/F
France	230 V	400 V	50 Hz	4	C/E
French Guiana	220 V	380 V	50 Hz	3, 4	C/D/E
Gabon (Gabonese Republic)	220 V	380 V	50 Hz	4	C
Gambia	230 V	400 V	50 Hz	4	G
Gaza	230 V	400 V	50 Hz	4	C/H
Georgia	220 V	380 V	50 Hz	4	C/F
Germany	230 V	400 V	50 Hz	4	C/F
Ghana	230 V	400 V	50 Hz	3, 4	D/G
Gibraltar	230 V	400 V	50 Hz	4	G
Great Britain (GB)	230 V	415 V	50 Hz	4	G
Greece	230 V	400 V	50 Hz	4	C/F
Greenland	230 V	400 V	50 Hz	3, 4	C/E/F/K
Grenada	230 V	400 V	50 Hz	4	G
Guadeloupe	230 V	400 V	50 Hz	3, 4	C/E
Guam	110 V	190 V	60 Hz	3, 4	A/B
Guatemala	120 V	208 V	60 Hz	3, 4	A/B
Guinea	220 V	380 V	50 Hz	3, 4	C/F/K
Guinea-Bissau	220 V	380 V	50 Hz	3, 4	C
Guyana	120 V / 240 V	190 V	60 Hz	3, 4	A/B/D/G
Haiti	110 V	190 V	60 Hz	3, 4	A/B
Holland (officially the Netherlands)	230 V	400 V	50 Hz	3, 4	C/F
Honduras	120 V	208 V / 230 V / 240 V / 460 V / 480 V	60 Hz	3, 4	A/B
Hong Kong	220 V	380 V	50 Hz	3, 4	G
Hungary	230 V	400 V	50 Hz	3, 4	C/F
Iceland	230 V	400 V	50 Hz	3, 4	C/F
India	230 V	400 V	50 Hz	4	C/D/M

<b>Indonesia</b>	230 V	400 V	50 Hz	4	C/F
<b>Iran</b>	230 V	400 V	50 Hz	3, 4	C/F
<b>Iraq</b>	230 V	400 V	50 Hz	4	C/D/G
<b>Ireland (Eire)</b>	230 V	415 V	50 Hz	4	G
<b>Ireland, Northern</b>	230 V	415 V	50 Hz	4	G
<b>Isle of Man</b>	230 V	415 V	50 Hz	4	C/G
<b>Israel</b>	230 V	400 V	50 Hz	4	C/H
<b>Italy</b>	230 V	400 V	50 Hz	4	C/F/L
<b>Jamaica</b>	110 V	190 V	50 Hz	3, 4	A/B
<b>Japan</b>	100 V	200 V	50 / 60 Hz	3	A/B
<b>Jordan</b>	230 V	400 V	50 Hz	3, 4	C/D/F/G/J
<b>Kazakhstan</b>	220 V	380 V	50 Hz	3, 4	C/F
<b>Kenya</b>	240 V	415 V	50 Hz	4	G
<b>Kiribati</b>	240 V	[unavailable]	[unavailable]	[unavailable]	I
<b>Korea, North</b>	220 V	380 V	50 Hz	3, 4	C
<b>Korea, South</b>	220 V	380 V	60 Hz	4	C/F
<b>Kosovo</b>	230 V	230 V / 400 V	50 Hz	3	C/F
<b>Kuwait</b>	240 V	415 V	50 Hz	4	G
<b>Kyrgyzstan</b>	220 V	380 V	50 Hz	3, 4	C/F
<b>Laos</b>	230 V	400 V	50 Hz	4	A/B/C/E/F
<b>Latvia</b>	230 V	400 V	50 Hz	4	C/F
<b>Lebanon</b>	230 V	400 V	50 Hz	4	C/D/G
<b>Lesotho</b>	220 V	380 V	50 Hz	4	M
<b>Liberia</b>	120 V	208 V	60 Hz	3, 4	A/B
<b>Libya</b>	230 V	400 V	50 Hz	4	C/L
<b>Liechtenstein</b>	230 V	400 V	50 Hz	4	C/J
<b>Lithuania</b>	230 V	400 V	50 Hz	4	C/F
<b>Luxembourg</b>	230 V	400 V	50 Hz	4	C/F
<b>Macau</b>	220 V	380 V	50 Hz	3	G
<b>Macedonia</b>	230 V	400 V	50 Hz	4	C/F
<b>Madagascar</b>	220 V	380 V	50 Hz	3, 4	C/E
<b>Madeira</b>	230 V	400 V	50 Hz	3, 4	C/F
<b>Malawi</b>	230 V	400 V	50 Hz	3, 4	G
<b>Malaysia</b>	240 V	415 V	50 Hz	4	G
<b>Maldives</b>	230 V	400 V	50 Hz	4	C/D/G/J/K/L
<b>Mali</b>	220 V	380 V	50 Hz	3, 4	C/E
<b>Malta</b>	230 V	400 V	50 Hz	4	G
<b>Marshall Islands</b>	120 V	[unavailable]	[unavailable]	[unavailable]	A/B
<b>Martinique</b>	220 V	380 V	50 Hz	3, 4	C/D/E
<b>Mauritania</b>	220 V	220 V	50 Hz	3, 4	C
<b>Mauritius</b>	230 V	400 V	50 Hz	4	C/G
<b>Mayotte</b>	230 V	[unavailable]	[unavailable]	[unavailable]	C/E
<b>Mexico</b>	127 V	220 V / 480 V	60 Hz	3, 4	A/B

<b>Micronesia, Federated States of</b>	120 V	[unavailable]	[unavailable]	[unavailable]	A/B
<b>Moldova</b>	230 V	400 V	50 Hz	4	C/F
<b>Monaco</b>	230 V	400 V	50 Hz	4	C/E/F
<b>Mongolia</b>	230 V	400 V	50 Hz	4	C/E
<b>Montenegro</b>	230 V	400 V	50 Hz	3, 4	C/F
<b>Montserrat</b>	230 V	400 V	60 Hz	4	A/B
<b>Morocco</b>	220 V	380 V	50 Hz	4	C/E
<b>Mozambique</b>	220 V	380 V	50 Hz	4	C/F/M
<b>Myanmar (formerly Burma)</b>	230 V	400 V	50 Hz	4	A/C/D/G/I
<b>Namibia</b>	220 V	380 V	50 Hz	4	D/M
<b>Nauru</b>	240 V	415 V	50 Hz	4	I
<b>Nepal</b>	230 V	400 V	50 Hz	4	C/D/M
<b>Netherlands</b>	230 V	400 V	50 Hz	3, 4	C/F
<b>New Caledonia</b>	220 V	380 V	50 Hz	3, 4	C/F
<b>New Zealand</b>	230 V	400 V	50 Hz	3, 4	I
<b>Nicaragua</b>	120 V	208 V	60 Hz	3, 4	A/B
<b>Niger</b>	220 V	380 V	50 Hz	4	C/D/E/F
<b>Nigeria</b>	230 V	415 V	50 Hz	4	D/G
<b>Northern Ireland</b>	230 V	415 V	50 Hz	4	G
<b>North Korea</b>	220 V	380 V	50 Hz	3, 4	C
<b>Norway</b>	230 V	230 V / 400 V	50 Hz	3, 4	C/F
<b>Oman</b>	240 V	415 V	50 Hz	4	G
<b>Pakistan</b>	230 V	400 V	50 Hz	3	C/D
<b>Palau</b>	120 V	208 V	60 Hz	3	A/B
<b>Panama</b>	120 V	240 V	60 Hz	3	A/B
<b>Papua New Guinea</b>	240 V	415 V	50 Hz	4	I
<b>Paraguay</b>	220 V	380 V	50 Hz	4	C
<b>Peru</b>	220 V	220 V	60 Hz	3	A/C
<b>Philippines</b>	220 V	380 V	60 Hz	3	A/B/C
<b>Pitcairn Islands</b>	230 V	[unavailable]	[unavailable]	[unavailable]	I
<b>Poland</b>	230 V	400 V	50 Hz	4	C/E
<b>Portugal</b>	230 V	400 V	50 Hz	3, 4	C/F
<b>Puerto Rico</b>	120 V	480 V	60 Hz	3, 4	A/B
<b>Qatar</b>	240 V	415 V	50 Hz	3, 4	G
<b>Réunion</b>	230 V	400 V	50 Hz	4	C/E
<b>Romania</b>	230 V	400 V	50 Hz	4	C/F
<b>Russia (officially the Russian Federation)</b>	220 V	380 V	50 Hz	4	C/F
<b>Rwanda</b>	230 V	400 V	50 Hz	4	C/J
<b>Saba</b>	110 V	[unavailable]	[unavailable]	[unavailable]	A/B

<b>Saint Barthélemy</b> (informally also referred to as Saint Barth's or Saint Barts)	230 V	[unavailable]	[unavailable]	[unavailable]	C/E
<b>Saint Kitts and Nevis</b> (officially the Federation of Saint Christopher and Nevis)	230 V	400 V	60 Hz	4	D/G
<b>Saint Lucia</b>	230 V	400 V	50 Hz	4	G
<b>Saint Martin</b>	220 V	[unavailable]	[unavailable]	[unavailable]	C/E
<b>Saint Helena</b>	230 V	[unavailable]	[unavailable]	[unavailable]	G
<b>Sint Eustatius</b>	110 V / 220 V	220 V	60 Hz	3, 4	A/B/C/F
<b>Sint Maarten</b>	110 V	220 V	60 Hz	3, 4	A/B
<b>Saint Vincent and the Grenadines</b>	110 V / 230 V	400 V	50 Hz	4	A/B/G
<b>Samoa</b>	230 V	400 V	50 Hz	3, 4	I
<b>San Marino</b>	230 V	400 V	50 Hz	4	C/F/L
<b>São Tomé and Príncipe</b>	230 V	400 V	50 Hz	3, 4	C/F
<b>Saudi Arabia</b>	230 V	400 V	60 Hz	4	G
<b>Scotland</b>	230 V	415 V	50 Hz	4	G
<b>Senegal</b>	230 V	400 V	50 Hz	3, 4	C/D/E/K
<b>Serbia</b>	230 V	400 V	50 Hz	3, 4	C/F
<b>Seychelles</b>	240 V	240 V	50 Hz	3	G
<b>Sierra Leone</b>	230 V	400 V	50 Hz	4	D/G
<b>Singapore</b>	230 V	400 V	50 Hz	4	G
<b>Slovakia</b>	230 V	400 V	50 Hz	4	C/E
<b>Slovenia</b>	230 V	400 V	50 Hz	3, 4	C/F
<b>Solomon Islands</b>	230 V	[unavailable]	[unavailable]	[unavailable]	G/I
<b>Somalia</b>	220 V	380 V	50 Hz	3, 4	C
<b>Somaliland</b>	220 V	380 V	50 Hz	3, 4	C
<b>South Africa</b>	230 V	400 V	50 Hz	3, 4	C/D/M/N
<b>South Korea</b>	220 V	380 V	60 Hz	4	C/F
<b>South Sudan</b>	230 V	400 V	50 Hz	4	C/D
<b>Spain</b>	230 V	400 V	50 Hz	3, 4	C/F
<b>Sri Lanka</b>	230 V	400 V	50 Hz	4	D/G
<b>Sudan</b>	230 V	400 V	50 Hz	4	C/D
<b>Suriname</b>	127 V / 230 V	220 V / 400 V	60 Hz	3, 4	A/B/C/F
<b>Swaziland</b>	230 V	400 V	50 Hz	4	M
<b>Sweden</b>	230 V	400 V	50 Hz	3, 4	C/F
<b>Switzerland</b>	230 V	400 V	50 Hz	3, 4	C/J
<b>Syria</b>	220 V	380 V	50 Hz	3	C/E/L
<b>Tahiti</b>	220 V	380 V	50 / 60 Hz	3, 4	C/E
<b>Taiwan</b>	110 V	220 V	60 Hz	4	A/B
<b>Tajikistan</b>	220 V	380 V	50 Hz	3	C/F

<b>Tanzania</b>	230 V	415 V	50 Hz	3, 4	D/G
<b>Thailand</b>	230 V	400 V	50 Hz	3, 4	A/B/C/O
<b>Togo</b>	220 V	380 V	50 Hz	4	C
<b>Tonga</b>	240 V	415 V	50 Hz	3, 4	I
<b>Trinidad &amp; Tobago</b>	115 V	115/230 V / 230/400 V	60 Hz	4	A/B
<b>Tunisia</b>	230 V	400 V	50 Hz	4	C/E
<b>Turkey</b>	230 V	400 V	50 Hz	3, 4	C/F
<b>Turkmenistan</b>	220 V	380 V	50 Hz	3	C/F
<b>Turks and Caicos Islands</b>	120 V	240 V	60 Hz	4	A/B
<b>Uganda</b>	240 V	415 V	50 Hz	4	G
<b>Ukraine</b>	230 V	400 V	50 Hz	4	C/F
<b>United Arab Emirates (UAE)</b>	230 V	400 V	50 Hz	3, 4	G
<b>United Kingdom (UK)</b>	230 V	415 V	50 Hz	4	G
<b>United States of America (USA)</b>	120 V	120/208 V / 277/480 V / 120/240 V / 240 V / 480 V	60 Hz	3, 4	A/B
<b>United States Virgin Islands</b>	110 V	190 V	60 Hz	3, 4	A/B
<b>Uruguay</b>	220 V	380 V	50 Hz	3	C/F/L
<b>Uzbekistan</b>	220 V	380 V	50 Hz	4	C/F
<b>Vanuatu</b>	230 V	400 V	50 Hz	3, 4	I
<b>Venezuela</b>	120 V	120 V	60 Hz	3, 4	A/B
<b>Vietnam</b>	220 V	380 V	50 Hz	4	A/C/D
<b>Virgin Islands (British)</b>	110 V	190 V	60 Hz	3, 4	A/B
<b>Virgin Islands (USA)</b>	110 V	190 V	60 Hz	3, 4	A/B
<b>Wales</b>	230 V	415 V	50 Hz	4	G
<b>Yemen</b>	230 V	400 V	50 Hz	4	A/D/G
<b>Zambia</b>	230 V	400 V	50 Hz	4	C/D/G
<b>Zimbabwe</b>	240 V	415 V	50 Hz	3, 4	D/G

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But may be subsequently altered by the company.

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