

World Voltage-Frequency

| Place | Volts | Frequency (Hz) |
|--------------------------|-------|----------------|
| Afghanistan | 220 | 50 |
| Albania | 230 | 50 |
| Algeria | 230 | 50 |
| American Samoa | 120 | 60 |
| Andorra | 230 | 50 |
| Angola | 220 | 50 |
| Anguilla | 110 | 60 |
| Antigua and Barbuda | 230 | 60 |
| Argentina | 220 | 50 |
| Armenia | 230 | 50 |
| Aruba | 127 | 60 |
| Australia | 240 | 50 |
| Austria | 230 | 50 |
| Azerbaijan | 220 | 50 |
| Azores | 230 | 50 |
| Bahamas | 120 | 60 |
| Bahrain | 230 | 50 |
| Balearic Islands | 230 | 50 |
| Bangladesh | 220 | 50 |
| Barbados | 115 | 50 |
| Belarus | 230 | 50 |
| Belgium | 230 | 50 |
| Belize | 110 | 60 |
| Benin | 220 | 50 |
| Bermuda | 120 | 60 |
| Bhutan | 230 | 50 |
| Bolivia | 230 | 50 |
| Bosnia and Herzegovina | 230 | 50 |
| Botswana | 230 | 50 |
| Brazil | 110 | 60 |
| Brunei | 240 | 50 |
| Bulgaria | 230 | 50 |
| Burkina Faso | 220 | 50 |
| Burundi | 220 | 50 |
| Cambodia | 230 | 50 |
| Cameroon | 220 | 50 |
| Canada | 120 | 60 |
| Canary Islands | 230 | 50 |
| Cape Verde | 230 | 50 |
| Cayman Islands | 120 | 60 |
| Central African Republic | 220 | 50 |
| Chad | 220 | 50 |
| Channel Islands | 230 | 50 |
| Chile | 220 | 50 |
| China | 220 | 50 |
| Colombia | 110 | 60 |
| Comoros | 220 | 50 |
| Cook Islands | 240 | 50 |
| Costa Rica | 120 | 60 |
| Cote d'Ivoire | 220 | 50 |
| Croatia | 230 | 50 |
| Cuba | 110 | 60 |

| | | |
|------------------------------|-----|----|
| Cyprus | 230 | 50 |
| Czech Republic | 230 | 50 |
| Democratic Republic of the C | 220 | 50 |
| Denmark | 230 | 50 |
| Djibouti | 220 | 50 |
| Dominica | 230 | 50 |
| Dominican Republic | 110 | 60 |
| East Timor | 220 | 50 |
| Ecuador | 127 | 60 |
| Egypt | 220 | 50 |
| El Salvador | 115 | 60 |
| Equatorial Guinea | 220 | 50 |
| Eritrea | 230 | 50 |
| Estonia | 230 | 50 |
| Ethiopia | 220 | 50 |
| Falkland Islands | 240 | 50 |
| Faroe Islands | 230 | 50 |
| Fiji | 240 | 50 |
| Finland | 230 | 50 |
| France | 230 | 50 |
| French Guiana | 220 | 50 |
| French Polynesia / Tahiti | 220 | 60 |
| Gabon | 220 | 50 |
| Gaza Strip | 230 | 50 |
| Germany | 230 | 50 |
| Ghana | 230 | 50 |
| Gibraltar | 230 | 50 |
| Greece | 230 | 50 |
| Greenland | 230 | 50 |
| Grenada | 230 | 50 |
| Guadeloupe | 230 | 50 |
| Guam | 110 | 60 |
| Guatemala | 120 | 60 |
| Guinea | 220 | 50 |
| Guinea-Bissau | 220 | 50 |
| Guyana | 240 | 60 |
| Haiti | 110 | 60 |
| Honduras | 110 | 60 |
| Hong Kong / Xianggang | 220 | 50 |
| Hungary | 230 | 50 |
| Iceland | 230 | 50 |
| India | 240 | 50 |
| Indonesia | 230 | 50 |
| Iran | 230 | 50 |
| Iraq | 230 | 50 |
| Ireland (Eire) | 230 | 50 |
| Isle of Man | 230 | 50 |
| Israel | 230 | 50 |
| Italy | 230 | 50 |
| Jamaica | 110 | 50 |
| Japan | 100 | 50 |
| Jordan | 230 | 50 |
| Kazakhstan | 220 | 50 |
| Kenya | 240 | 50 |
| Kiribati | 240 | 50 |

| | | |
|-------------------------------|-----|----|
| Korea, South | 220 | 60 |
| Kuwait | 240 | 50 |
| Kyrgyzstan | 220 | 50 |
| Laos | 230 | 50 |
| Latvia | 230 | 50 |
| Lebanon | 230 | 50 |
| Lesotho | 220 | 50 |
| Liberia | 120 | 60 |
| Libya | 230 | 50 |
| Liechtenstein | 230 | 50 |
| Lithuania | 230 | 50 |
| Luxembourg | 230 | 50 |
| Macau / Aomen | 220 | 50 |
| Macedonia | 230 | 50 |
| Madagascar | 220 | 50 |
| Madeira | 230 | 50 |
| Malawi | 230 | 50 |
| Malaysia | 240 | 50 |
| Maldives | 230 | 50 |
| Mali | 220 | 50 |
| Malta | 230 | 50 |
| Martinique | 220 | 50 |
| Mauritania | 220 | 50 |
| Mauritius | 230 | 50 |
| Mexico | 127 | 60 |
| Micronesia, Federal States of | 120 | 60 |
| Moldova | 230 | 50 |
| Monaco | 230 | 50 |
| Mongolia | 230 | 50 |
| Montserrat | 230 | 60 |
| Morocco | 220 | 50 |
| Mozambique | 220 | 50 |
| Myanmar / Burma | 230 | 50 |
| Namibia | 220 | 50 |
| Nauru | 240 | 50 |
| Nepal | 230 | 50 |
| Netherlands | 230 | 50 |
| Netherlands Antilles | 220 | 50 |
| New Caledonia | 220 | 50 |
| New Zealand | 230 | 50 |
| Nicaragua | 120 | 60 |
| Niger | 220 | 50 |
| Nigeria | 240 | 50 |
| Norway | 230 | 50 |
| Okinawa | 100 | 60 |
| Oman | 240 | 50 |
| Pakistan | 230 | 50 |
| Palmyra Atoll | 120 | 60 |
| Panama | 110 | 60 |
| Papua New Guinea | 240 | 50 |
| Paraguay | 220 | 50 |
| Peru | 220 | 60 |
| Philippines | 220 | 60 |
| Poland | 230 | 50 |
| Portugal | 230 | 50 |

| | | |
|----------------------------------|-----|----|
| Puerto Rico | 120 | 60 |
| Qatar | 240 | 50 |
| Republic of the Congo | 230 | 50 |
| Reunion Island | 230 | 50 |
| Romania | 230 | 50 |
| Rwanda | 230 | 50 |
| Saint Kitts and Nevis | 230 | 60 |
| Saint Lucia | 240 | 50 |
| Saint Vincent and the Grenadines | 230 | 50 |
| Samoa | 230 | 50 |
| Saudi Arabia | 127 | 60 |
| Senegal | 230 | 50 |
| Serbia & Montenegro | 230 | 50 |
| Seychelles | 240 | 50 |
| Sierra Leone | 230 | 50 |
| Singapore | 230 | 50 |
| Slovakia | 230 | 50 |
| Slovenia | 230 | 50 |
| Somalia | 220 | 50 |
| South Africa | 230 | 50 |
| Spain | 230 | 50 |
| Sri Lanka | 230 | 50 |
| Sudan | 230 | 50 |
| Suriname | 127 | 60 |
| Swaziland | 230 | 50 |
| Sweden | 230 | 50 |
| Switzerland | 230 | 50 |
| Syria | 220 | 50 |
| Taiwan | 110 | 60 |
| Tajikistan | 220 | 50 |
| Tanzania | 230 | 50 |
| Thailand | 220 | 50 |
| The Gambia | 230 | 50 |
| The Russian Federation | 230 | 50 |
| Togo | 220 | 50 |
| Tonga | 240 | 50 |
| Trinidad and Tobago | 115 | 60 |
| Tunisia | 230 | 50 |
| Turkey | 230 | 50 |
| Turkmenistan | 220 | 50 |
| Uganda | 240 | 50 |
| Ukraine | 230 | 50 |
| United Arab Emirates | 220 | 50 |
| United Kingdom | 230 | 50 |
| United States of America / USA | 120 | 60 |
| Uruguay | 220 | 50 |
| Uzbekistan | 220 | 50 |
| Venezuela | 120 | 60 |
| Vietnam | 220 | 50 |
| Virgin Islands | 110 | 60 |
| Yemen | 230 | 50 |
| Zambia | 230 | 50 |
| Zimbabwe | 220 | 50 |