

**IMTE AG**  
Power Consulting Engineers

**Country Voltage & Frequency Listing**

Country	Voltage V	Frequency Hz	Country	Voltage V	Frequency Hz
Afghanistan	220	50	Kiribati	240	50
Albania	230	50	Korea North & South	110/220	60
Algeria	230	50	Kuwait	240	50
American Samoa	120	60	Kyrgyzstan	220	50
Andorra	230	50	Laos	230	50
Angola	220	50	Latvia	230	50
Anguilla & Barbuda	110	60	Lebanon	230	50
Antigua	230	60	Lesotho	220	50
Argentina	220	50	Liberia	120	60
Armenia	230	50	Libya	127/230	50
Aruba	127	60	Lithuania	230	50
Australia	240	50	Liechtenstein	230	50
Austria	230	50	Luxembourg	230	50
Azerbaijan	220	50	Macau	220	50
Azores	230	50	Macedonia	230	50
Bahamas	120	60	Madagascar	127/220	50
Bahrain	230	50	Madeira	230	50
Balearic Islands	230	50	Malawi	230	50
Bangladesh	220	50	Malaysia	240	50
Barbados	115	50	Maldives	230	50
Belarus	230	50	Mali	220	50
Belgium	230	50	Malta	230	50
Belize	110/220	60	Martinique	220	50
Benin	220	50	Mauritania	220	50
Bermuda	120	60	Mauritius	230	50
Bhutan	230	50	Mexico	127	60
Bolivia	230	50	Micronesia	120	60
Bosnia	230	50	Moldova	230	50
Botswana	230	50	Monaco	230	50
Brazil	127/220	60	Mongolia	230	50
Brunei	240	50	Montserrat Islands	230	60
Bulgaria	230	50	Morocco	220	50
Burkina Faso	220	50	Mozambique	220	50
Burundi	220	50	Myanmar (Burma)	230	50
Cambodia	230	50	Namibia	220	50
Cameroon	220	50	Nauru	240	50
Canada	120	60	Nepal	230	50
Canary Islands	230	50	Netherlands	230	50
Cape Verde	230	50	Netherlands Antilles	127/220	50

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Country	Voltage V	Frequency Hz	Country	Voltage V	Frequency Hz
Cayman Islands	120	60	New Caledonia	220	50
Central Africa	220	50	New Zealand	230	50
Chad	220	50	Nicaragua	120	60
Channel Islands	230	50	Niger	220	50
Chile	220	50	Nigeria	240	50
China	220	50	Norway	230	50
Colombia	110	60	Okinawa	100	60
Comoros	220	50	Oman	240	50
Congo (Zaire)	220	50	Pakistan	230	50
Cook Islands	240	50	Palmyra Atoll	120	60
Costa Rica	120	60	Panama	110	60
Ivory Coast	220	50	Papua New Guinea	240	50
Croatia	230	50	Paraguay	220	50
Cuba	110/220	60	Peru	220	60
Cyprus	230	50	Philippines	220	60
Czech Republic	230	50	Poland	230	50
Denmark	230	50	Portugal	230	50
Djibouti	220	50	Puerto Rico	120	60
Dominica	230	50	Qatar	240	50
Dominican Republic	110	60	Réunion Island	230	50
East Timor	220	50	Romania	230	50
Ecuador	127	60	Russian Federation	230	50
Egypt	220	50	Rwanda	230	50
El Salvador	115	60	Samoa	230	50
Equatorial Guinea	220	50	San Marino	230	50
Eritrea	230	50	St. Kitts & Nevis Isl.	230	60
Estonia	230	50	St. Lucia Island	240	50
Ethiopia	220	50	St. Vincent Island	230	50
Faeroe Islands	230	50	Saudi Arabia	110/220	60
Falkland Islands	240	50	Senegal	230	50
Fiji	240	50	Serbia & Montenegro	230	50
Finland	230	50	Seychelles	240	50
France	230	50	Sierra Leone	230	50
French Guyana	220	50	Singapore	230	50
Gaza	230	50	Slovakia	230	50
Gabon	220	50	Slovenia	230	50
Gambia	230	50	Somalia	220	50
Germany	230	50	South Africa	230	50
Ghana	230	50	Spain	230	50
Gibraltar	230	50	Sri Lanka	230	50
Greece	230	50	Sudan	230	50
Greenland	230	50	Suriname	127	60

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Country	Voltage V	Frequency Hz	Country	Voltage V	Frequency Hz
Grenada	230	50	Swaziland	230	50
Guadeloupe	230	50	Sweden	230	50
Guam	110	60	Switzerland	230	50
Guatemala	120	60	Syria	220	50
Guinea	220	50	Tahiti	110/220	60   50
Guinea-Bissau	220	50	Tajikistan	220	50
Guyana	240	60	Taiwan	110	60
Haiti	110	60	Tanzania	230	50
Honduras	110	60	Thailand	220	50
Hong Kong	220	50	Togo	220	50
Hungary	230	50	Tonga	240	50
Iceland	230	50	Trinidad & Tobago	115	60
India	240	50	Tunisia	230	50
Indonesia	230	50	Turkey	230	50
Iran	230	50	Turkmenistan	220	50
Iraq	230	50	Uganda	240	50
Ireland	230	50	Ukraine	230	50
Isle of Man	230	50	UAE	220	50
Israel	230	50	United Kingdom	230	50
Italy	230	50	United States	110/220	60
Jamaica	110	50	Uruguay	220	50
Japan	100	50   60	Uzbekistan	220	50
Jordan	230	50	Venezuela	120	60
Kenya	240	50	Vietnam	220	50
Kazakhstan	220	50	Virgin Islands	110	60
<b>Status 2008</b>			Yemen	230	50
			Zambia	230	50
			Zimbabwe	220	50