

# Supply voltage, frequency in various countries

Of the over 200 countries listed below, most use [220-240](#) VAC. Others use between [100-120](#)VAC. Some countries, including the United States, use dual voltages. 43 countries use 60Hz, while the rest use 50Hz.

Country	Voltage	Frequency
Afghanistan	220V	50Hz
Albania	230V	50Hz
Algeria	230V	50Hz
American Samoa	120V	60Hz
Andorra	230V	50Hz
Angola	220V	50Hz
Anguilla	110V	60Hz
Antigua	230V	60Hz
Argentina	220V	50Hz
Armenia	230V	50Hz
Aruba	127V	60Hz
Australia	240V	50Hz
Austria	230V	50Hz
Azerbaijan	220V	50Hz
Azores	230V	50Hz
Bahamas	120V	60Hz
Bahrain	230V	50Hz
Balearic Islands	230V	50Hz
Bangladesh	220V	50Hz
Barbados	115V	50Hz
Belarus	230V	50Hz
Belgium	230V	50Hz
Belize	110/220V	60Hz
Benin	220V	50Hz
Bermuda	120V	60Hz
Bhutan	230V	50Hz
Bolivia	230V	50Hz
Bosnia	230V	50Hz
Botswana	230V	50Hz
Brazil	<a href="#">110-220</a> V	60Hz
Brunei	240V	50Hz
Bulgaria	230V	50Hz
Burkina Faso	220V	50Hz
Burundi	220V	50Hz
Cambodia	230V	50Hz
Cameroon	220V	50Hz
Canada	120V	60Hz
Canary Islands	230V	50Hz
Cape Verde	230V	50Hz
Cayman Islands	120V	60Hz
Central Africa	220V	50Hz
Chad	220V	50Hz
Channel Islands	230V	50Hz
Chile	220V	50Hz
China	220V	50Hz
Colombia	110V	60Hz
Comoros	220V	50Hz
Congo (Zaire)	220V	50Hz
Cook Islands	240V	50Hz
Costa Rica	120V	60Hz
Côte d'Ivoire (Ivory Coast)	220V	50Hz
Croatia	230V	50Hz

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

Country Voltage Frequency.

Kiribati 240V 50Hz  
Korea, South 220V 60Hz  
Kuwait 240V 50Hz  
Kyrgyzstan 220V 50Hz  
Laos 230V 50Hz  
Latvia 230V 50Hz

Lebanon 230V 50Hz  
Lesotho 220V 50Hz  
Liberia 220V 50Hz  
Libya 127/230V 50Hz  
Lithuania 230V 50Hz  
Liechtenstein 230V 50Hz  
Luxembourg 230V 50Hz  
Macau 220V 50Hz  
Macedonia 230V 50Hz  
Madagascar 127/220V 50Hz  
Madeira 230V 50Hz  
Malawi 230V 50Hz  
Malaysia 240V 50Hz  
Maldives 230V 50Hz  
Mali 220V 50Hz  
Malta 230V 50Hz  
Martinique 220V 50Hz  
Mauritania 220V 50Hz  
Mauritius 230V 50Hz  
Mexico 127V 60Hz  
Micronesia 120V 60Hz  
Moldova 230V 50Hz  
Monaco 230V 50Hz  
Mongolia 230V 50Hz  
Montserrat Islands 230V 60Hz  
Morocco 220V 50Hz  
Mozambique 220V 50Hz  
Myanmar (Burma) 230V 50Hz  
Namibia 220V 50Hz  
Nauru 240V 50Hz  
Nepal 230V 50Hz  
Netherlands 230V 50Hz  
Netherlands Antilles 127/220V 50Hz  
New Caledonia 220V 50Hz  
New Zealand 230V 50Hz  
Nicaragua 120V 60Hz  
Niger 220V 50Hz  
Nigeria 240V 50Hz  
Norway 230V 50Hz  
Okinawa 100V 60Hz  
Oman 240V 50Hz  
Pakistan 230V 50Hz  
Palmyra Atoll 120V 60Hz  
Panama 110V 60Hz  
Papua New Guinea 240V 50Hz  
Paraguay 220V 50Hz  
Peru 220V 60Hz  
Philippines 220V 60Hz  
Poland 230V 50Hz  
Portugal 230V 50Hz  
Puerto Rico 120V 60Hz  
Qatar 240V 50Hz  
Réunion Island 230V 50Hz  
Romania 230V 50Hz  
Russian Federation 230V 50Hz  
Rwanda 230V 50Hz  
St. Kitts & Nevis Islands 230V 60Hz  
St. Lucia Island 240V 50Hz  
St. Vincent Island 230V 50Hz  
Saudi Arabia 127/220V 60Hz  
Senegal 230V 50Hz  
Serbia & Montenegro 230V 50Hz

Seychelles 240V 50Hz  
Sierra Leone 230V 50Hz  
Singapore 230V 50Hz  
Slovakia 230V 50Hz  
Slovenia 230V 50Hz  
Somalia 220V 50Hz  
South Africa 230V 50Hz  
Spain 230V 50Hz  
Sri Lanka 230V 50Hz  
Sudan 230V 50Hz  
Suriname 127V 60Hz  
Swaziland 230V 50Hz  
Sweden 230V 50Hz  
Switzerland 230V 50Hz  
Syria 220V 50Hz  
Tahiti 110/220V 60Hz  
Tajikistan 220V 50Hz  
Taiwan 110V 60Hz  
Tanzania 230V 50Hz  
Thailand 220V 50Hz  
Togo 220V 50Hz  
Tonga 240V 50Hz  
Trinidad & Tobago 115V 60Hz  
Tunisia 230V 50Hz  
Turkey 230V 50Hz  
Turkmenistan 220V 50Hz  
Uganda 240V 50Hz  
Ukraine 230V 50Hz  
United Arab Emirates 220V 50Hz  
United Kingdom 230/240V 50Hz  
United States 120/240V 60Hz  
Uruguay 220V 50Hz  
Uzbekistan 220V 50Hz  
Venezuela 120V 60Hz  
Vietnam 220V 50Hz  
Virgin Islands 110V 60Hz  
Western Samoa 230V 50Hz  
Yemen 230V 50Hz  
Zambia 230V 50Hz  
Zimbabwe 220V 50Hz

---