

Guide to Worldwide Plug/Socket Patterns & Power Mains (single phase)

The most frequently specified plug pattern for electrical or electronic equipment will appear in bold type. Note that the information provided for developing countries is not precise. The data given for single phase voltages and frequencies are nominal and are subject to a standard tolerance of 10%, but in some areas—particularly in developing countries—tolerances may be much greater. The information was compiled from several sources, including the BSI publications “World Electricity Supplies” and “Electrical Plugs and Wiring”. Information current as of the time of publication. Subject to change without notification. Call our Customer Service Department for current information.

Country	Voltage	Freq./Hz	Pattern	Country	Voltage	Freq./Hz	Pattern	Country	Voltage	Freq./Hz	Pattern	Country	Voltage	Freq./Hz	Pattern	Country	Voltage	Freq./Hz	Pattern					
Afghanistan	220	50	A, B	Chile	220	50	A, B, I	Grenada	230	50	D, G	Luxembourg	230	50	A, B	Paraguay	220	50	A, B	Sweden	230	50	A, B	
Algeria	220	50	A, B, F	China, People's Rep. of	220	50	X	Guadeloupe	220	50/60	B, F				Peru	220	60	A, B	Switzerland	230	50	L		
American Samoa	120/220	60	C, K, N, M	Christmas Is. (Austral.)	240	50	C	Guam	120/240	60	K, N	Macao	230	50	D, G	Philippines	220	60	K, N	Syria	220	50	A, B, F	
Angola	220	50	A, B	Cocos Is. (Austral.)	240	50	C	Guatemala	110/220	60	K, N	Madagascar	110/220	50	B, F	Pitcairn Is. (U.K.)	240	50	G					
Anguilla (U.K.)	120/240	60	D	Colombia	120	60	K, N	Guinea	220	50	B, F	Malawi	230	50	D, G	Poland	230	50	A, B, F	Tahiti	110-127 & 220	60	A, B, F, K, N	
Antigua	120/240	60	D, K, N	Congo, Rep. of	220-240	50	A, B, F	Guinea-Bissau	220	50	A, B	Malaysia	240	50	D, G	Portugal	230	50	A, B	Taiwan	110/220	60	C, K, N	
Argentina	220	50	T	Cook Is. (N.Z.)	240	50	C, P	Guyana	120/240	50-60	D, G, K, N	Maldives	220	50	D, G	Puerto Rico	120	60	K, N	Tanzania	230	50	D, G	
Armenia	220	50	A, B	Costa Rica	120/240	60	D, K, N				Mali, Rep. of	220	50	B, F				Thailand	220	50	A, B, K, N			
Aruba	127/220	60	A, B, K., N	Croatia	230	50	A, B	Haiti	110/220	60	K, N	Malta	230	50	D	Qatar	240	50	D, G	Togo	230	50	B, F	
Australia	230	50	C, P	Cuba	115/230	60	A, B, K, N	Honduras	110/220	60	K, N	Martinique	230	50	B, F	Romania	230	50	A, B	Tonga	240	50	C, P	
Austria	230	50	A, B	Curacao Is.	110/220	60	A, K, N	Hong Kong	220	50	D, G	Mauritania	220	50	A, B	Russia Federation	220	50	A, B	Trinidad & Tobago	115/230	60	K, N	
Azores (Portugal)	230	50	A, B	Cyprus	230	50	D, G	Hungary	230	50	A, B	Mauritius	230	50	D, G	Rwanda	220	50	A, B, L	Tunisia	220	50	A, B, F	
				Czech., Rep. of	230	50	B, F				Mexico	127	60	K, N				Turkey	220	50	A, B, D, G			
Bahamas	120	60	B, K, N, G, D					Iceland	230	50	A, B	Moldova	220	50	A, B	Saudi Arabia	127/220	60A, D, F, G, K	Uganda	240	50	D, G		
Bahrain	230/240	50	D, G	Denmark	230	50	B, E	India	230	50	G	Monaco	220	50	A, B, F	Scotland	230	50	D	United Arab Emir.	220-240	50	D, G	
Bangladesh	230	50	D, G	Djibouti, Rep. of	220	50	B, F	Indonesia	220	50	A, B, F	Mongolia	220	50	A, B	Senegal	220	50	F, G	United Kingdom & Ire.	230	50	D, G	
Barbados	115	50	K, N	Dominica	230	50	D, G	Iran	220	50	A, B	Montseurrat	230	60	D, K, N	Seychelles	230	50	D, G	United States	120	60	K, N	
Belarus	220	50	A, B	Dominican Rep.	120/240	60	K, N	Iraq	220	50	A, B, D, G	Mozambique	220	50	A, B, G	Sierra Leone	230	50	D, G	Ukraine	220	50	A, B	
Belgium	230	50	B, F					Ireland, Rep. of (S.)	230	50	D	Morocco	220	50	A, B, F	Singapore	230	50	D, G	Uruguay	220	50	A, B, C*, I	
Belize	110/220	60	K, N, G	Ecuador	110	60	K, N	Israel	230	50	B, H	Myanmar (formerly Burma)	230	50	D, G	Slovakia	230	50	B, F					
Benin	220	50	A, N	Egypt	220	50	A, B, D	Italy	230	50	B, I				Slovenia	220	50	A, B	Venezuela	120/208/277	60	K, N		
Bermuda	120	60	K, N	El Salvador	120, 240	60	K, N	Ivory Coast	230	50	A, B	Namibia (W.S.Africa)	220	50	D, G	Somalia	110/220-230	50	B, G	Vietnam	220	50	B, F, K, N	
Bolivia	230	50	A, B, K, N	England	230	50	D, G				Nepal	220	50	G	South Africa	220-250	50	D, G	Virgin Islands	120	60	K, N		
Bosnia-Herzegovina	220	50	A, B	Equatorial Guinea	220	50	B	Jamaica	110	50	K, D, G	Netherlands	230	50	A, B	South Korea	110/220	60	A, B, K, N					
Botswana	230	50	D, G	Estonia	220-330	50	A, B	Japan	100	50 & 60	J, M	Neth. Antilles	115-127/220	50/60	A, B, K,	Spain	230	50	B, F	Wales	230	50	D, G	
Brazil	127-220	60	B, K, N, O	Ethiopia	230	50	A, B, I	Jordan	230	50	A, B, D	New Caledonia	220	50	B, F	Sri Lanka	230	50	D, G	Western Samoa	230	50	C	
Bulgaria	220	50	A, B								New Zealand	230	50	C, P	St. Pierre & Miquelon (Fr.)	115	60	K, N						
Burkina Faso	220/230	50	D, G	Fiji	240	50	C, P	Kenya	240	50	D, G	Nicaragua	120/240	60	K, N	St. Kitts & Nevis	230	60	D, G	Yemen	250	50	D, G	
Burundi	220	50	A, B	Finland	230	50	A, B	Kuwait	230	50	D, G	Niger	220	50	A, B	St. Lucia	240	50	D	Yugoslavia	230	50	A, B	
				France	230	50	B, F	Kyrgyzstan	220	50	A, B	Nigeria	230	50	D, G	St. Vincent	230	50	D					
Cambodia	220	50	A, B	French Guiana	220	50	B, F				North Ireland	230	50	D	Sudan	240	50	B, D, G	Zaire, Rep. of	220-240	50	A, B, F		
Cameroon	220-260	50	B, F					Laos	220	50	A, B, F, K, N	North Korea	220	60	A, B	Suriname	127/220	60	A, B, K, N	Zambia	230	50	D, G	
Canada	120	60	K, N	Gabon	220	50	B, F	Latvia	220	50	A, B	Norway	230	50	A, B	Svalbard (Norway)	220	50	A, B	Zimbabwe	220-230	50	D, G	
Canary Islands (Spain)	220	50	A, B, F	Gambia	220	50	D, G	Lebanon	220	50	A, B, D, G				Swaziland	230	50	D, G						
Cape Verde, Rep. of	220	50	A, B	Germany	230	50	A, B	Lesotho	220	50	D, G	Oman	240	50	A, B, D, G									
Cayman Islands	120	60	K, N	Ghana	220	50	D, G	Liberia	220-230	50	A, N, K													
Central African Rep.	220	50	A, B	Gibraltar	240	50	D, G	Libya	220	50	A, G, K, N	Pakistan	230	50	G	Interpower Corporation				Telephone: (800) 662-2290				
Chad	220	50	A, F, B	Greece	230	50	A, B	Liechtenstein	230	50	L	Panama	120/240	60	K, N	P.O. Box 115 • 100 Interpower Ave.				Fax: (800) 645-5360				
Channel Islands	240	50	B, D	Greenland (Den.)	230	50	B, E	Lithuania	230	50	A, B	Papua New Guinea	240	50	C, P	Oskaloosa, IA 52577 (USA)				Web Site: www.interpower.com				

* This country uses the Australia standard with modifications. The contacts are approximately 1mm longer than the Australian (18.2mm).

Cont. Europe (Schuko)
CEE 7



plug: 88010801 socket: 88010610
cordset: 86230110

Europlug
CEE 7/16



plug: 88040030 socket: See A, E, F, I, & L
cordset: 86532100

Australia/New Zealand
AS/NZS 3112



plug: 88010713 socket: 88010512
cordset: 86210030

United Kingdom/Ireland
BS 1363



plug: 88040011 socket: 88010621
cordset: 86240150

Denmark
Afsnit 107-2-D1



plug: 88010741 socket: 88010541
cordset: 86391000

France/Belgium
CEE 7



plug: 88010801 socket: 88010550
cordset: 86230110

India/South Africa
BS 546 (old British standard)



plug: 88010763 socket: 88010561
cordset: 86392000

Israel
SI 32



plug: 88010780 socket: 88010580
cordset: 86393000

Italy
CEI 23-16/VII



plug: 88010771 socket: 88010572
cordset: 86394000

Japan
JIS 8303



plug: not available socket: not available
cordset: 86589000

North America
NEMA 5-15



plug: 88030100 socket: 88010641
cordset: 70401020244

Switzerland
SEV 1011



plug: 88010732 socket: 88010530
cordset: 86396000

Japan
Ungrounded



plug: not available socket: not available
cordset: 86532140

North America
NEMA 1-15



plug: not available socket: 88010641
cordset: 86532120

Australia
Ungrounded



plug: not available socket: 88010512
cordset: 86532110

Argentina
IRAM 2073



plug: not available socket: not available
cordset: 86270010

China
GB 2099-1 & GB 1002-1



plug: not available socket: not available
cordset: 86517040

Brazil



plug: not available socket: not available
cordset: coming soon