



## WORLD VOLTAGE & PLUG SPECIFICATIONS

plug type					
description	category A 125V~, 2 flat blades	category B 2 flat blades with round ground pin	category C oblique flat blades	category D oblique flat blades - grounded	category E 2 round pins
		discontinued			
category F 2 round pins	category G 2 round pins with ground receptacle	category H Middle East type plug	category I 3 flat blades UK type plug	category J 220V~, 2 flat blades	category K 3 round pins plug in triangle pattern (6A)
category L 3 round pins plug in triangle pattern (16A)	category M Swiss type plug	category N Italy type plug	category O Denmark type plug	category P Israel type plug	

### Asia Pacific

Country	Voltage	Frequency (Hz)	Plug Category	Description
Australia	240V	50	C & D	3 flat blades (Australia AS3112): YP-35, YP-36
China	220V	50	D & J	China plugs: YP-02, YP-02L, YP-03, YP-03L
Hong-Kong	220V	50	I	3 flat blades (UK BS1363): YP-60
Indonesia	220V	50	E & G	European plugs (CEE7): YP-21, YP-22, YP-23
India	230V	50	I & L	3 flat / round blades UK standards: YP-60, YP-80
Japan	100V	50, 60	A & B	Japan JIS 8301 plugs
Korea	220V	50, 60	E & G	Korea KCS 8305: YP-21K, YP-22K, YP-24K
Macau	220V	50Hz	I	3 flat blades (UK BS1363): YP-60, YP-61
Malaysia	230V	50Hz	I	3 flat blades (UK BS1363): YP-60, YP-61
New-Zealand	220V	50Hz	C & D	3 flat blades (Australia AS3112): YP-35, YP-36
Philippines	220V	50Hz	E	European plug (CEE7/7): YP-21
Singapore	220V	50Hz	I	3 flat blades (UK BS1363): YP-60, YP-61
Thailand	220V	50Hz	A & B	vertical flat blades without/with round ground pin
Vietnam	120/220V	50Hz	A, B, E & G	vertical flat blades without/with round ground pin European plugs (CEE7): YP-21, YP-22, YP-23

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### North America

Country	Voltage	Frequency (Hz)	Plug Category	Description
Canada	110V	60	A & B	vertical flat blades without/with round ground pin
United States	120V	60	A & B	vertical flat blades without/with round ground pin

### Central & South America

Country	Voltage	Frequency (Hz)	Plug Category	Description
Mexico	127V	60	A & B	vertical flat blades without/with round ground pin
Nicaragua	110V	60	A & B	vertical flat blades without/with round ground pin
El Salvador	110V	60	A & B	vertical flat blades without/with round ground pin
Honduras	110V	60	A & B	vertical flat blades without/with round ground pin
Nicaragua	110V	60	A & B	vertical flat blades without/with round ground pin
Costa Rica	110-120V	60	A & B	vertical flat blades without/with round ground pin
Panama	120V	60	A & B	vertical flat blades without/with round ground pin
Dominican Rep.	110V	60	A & B	vertical flat blades without/with round ground pin
Columbia	115V	60	A & B	vertical flat blades without/with round ground pin
Venezuela	110V	60	A & B	vertical flat blades without/with round ground pin
Ecuador	110V	60	A & B	vertical flat blades without/with round ground pin
Brazil	110V / 220V	60Hz / 50Hz	E & G	Brazilian standard NBR 14136: round pins
Peru	110V / 220V	60Hz / 50Hz	A, B & E	vertical flat blades without/with round ground pin
Bolivia	110V / 220V	60Hz / 50Hz	A, B & E	vertical flat blades without/with round ground pin
Paraguay	220V	50Hz	E	2 round pins (CEE7): YP-21
Uruguay	220V	50Hz	E	2 round pins (CEE7): YP-21
Argentina	220V	50Hz	C & D	3 flat blades (IRAM): YP-37, YP-57
Chile	220V	50Hz	E & N	European plugs / Italy plug: YP-45

### Europe

Country	Voltage	Frequency (Hz)	Plug Category	Description
Austria	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
Belgium	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
Czech Rep.	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
Denmark	220V	50Hz	O, E, F & G	European plugs / Denmark plug: YP-26
Estonia	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
Finland	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
France	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
Germany	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
Greece	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
Hungary	220V	50Hz	F & G	European plugs: YP-22, YP-23, YP-24
Ireland	220V	50Hz	I	3 flat blades (UK BS1363): YP-60, YP-61
Italy	220-230V	50Hz	E & N	European plugs / Italy plug: YP-45
Latvia	220-240V	50Hz	E & G	European plugs: YP-21, YP-22, YP-23
Luxembourg	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
Netherlands	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24

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Norway	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
Poland	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
Portugal	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
Slovak Rep.	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
Spain	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
Sweden	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
Switzerland	220-224V	50Hz	M & E	European plugs / Swiss plug: YP-46
Turkey	220V	50Hz	E & F	European plugs: YP-21, YP-24
Russia	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
United Kingdom	220-240V	50Hz	I	3 flat blades (UK BS1363): YP-60, YP-61
Ukraine	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24

### Africa

Country	Voltage	Frequency (Hz)	Plug Category	Description
Algeria	220V	50Hz	E & G	European plugs: YP-21, YP-22, YP-23
Burkina Faso	220V	50Hz	E & F	European plugs: YP-21, YP-24
Cameroon	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
Chad	220-250V	50Hz	F, G & L	European plugs (CEE7) / UK plug (BS546)
Equatorial Guinea	220V	50Hz	E & F	European plugs: YP-21, YP-24
Gabon	220V	50Hz	G	European plugs: YP-24
Gambia	220V	50Hz	I	3 flat blades (UK BS1363): YP-60, YP-61
Ghana	220V	50Hz	E, I & K	European plugs (CEE7/7) / UK plug (BS546)
Malawi	240V	50Hz	I	3 flat blades (UK BS1363): YP-60
Mauritius	240V	50Hz	E & I	European plugs (CEE7) / UK plug (BS1363)
Morocco	220V	50Hz	E & G	European plugs: YP-21, YP-22, YP-23
Nigeria	230V	50Hz	I	3 flat blades (UK BS1363): YP-60, YP-61
Rep. South Africa	220V	50Hz	K & L	3 round pins SABS standard: YP-81 & YP-80
Senegal	220V	50Hz	E, F & G	European plugs: YP-21, YP-22, YP-23, YP-24
Swaziland	220V	50Hz	I	3 flat blades (UK BS1363): YP-60, YP-61

### Middle East

Country	Voltage	Frequency (Hz)	Plug Category	Description
Bahrain	220V	50Hz	I & K	3 round pins UK standard: YP-81 & YP-80
Dubai	220V	50Hz	G	European plugs: YP-24
Iran	220V	50Hz	E	European plugs: YP-21
Israel	220-240V	50Hz	P & E	Israel plugs: YP-47, YP-48
Jordan	220V	50Hz	I	3 flat blades (UK BS1363): YP-60, YP-61
Kuwait	220-240V	50Hz	E & I	European plugs (CEE7) / UK plug (BS1363)
Lebanon	220V	50Hz	E	European plugs (CEE7/7): YP-21
Syria	220V	50Hz	E, F & N	European plugs / Italy plug: YP-45
Saudi Arabia	220V	50Hz	I	3 flat blades (UK BS1363): YP-60, YP-61
Turkey	220V	50Hz	E & F	European plugs: YP-21, YP-24