Global Plug Types & Voltage

Ten plug types, pin layouts, voltage and frequency — plus the four markets that catch importers out.

FREE GUIDE · 2026 EDITION

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Global Plug Types & Voltage — A Visual Reference for Importers

Chargers, power strips and adapters · pin layouts shown from the plug face · compiled November 2026

A 2 flat pins, no earth



100–127 V · 60 Hz

US, Canada, Mexico, Japan
(Japan 100 V, 50/60 Hz)

Type B = same + earth pin

B 2 flat + earth pin



100–127 V · 60 Hz

US, Canada, Mexico
Class I products

NEMA 5-15 grounded

C 2 round pins, no earth



220–240 V · 50 Hz

Most of Europe, Asia,
Africa, South America

Europlug · unearthed only

E 2 round + earth pin



220–240 V · 50 Hz

France, Belgium, Poland,
Czech, Slovakia

Earth pin on the socket

F Schuko · side earth



220–240 V · 50 Hz

Germany, Netherlands,
Spain, Sweden, Korea

Earthing clips on the sides

G 3 rectangular pins



220–240 V · 50/60 Hz

UK, Ireland, Malta, Cyprus,
Saudi, UAE, Hong Kong

Plug contains a fuse

I 2 angled + earth



220–240 V · 50 Hz

Australia, New Zealand,
China, Argentina

AS/NZS 3112

J 3 round, offset earth



230 V · 50 Hz

Switzerland,
Liechtenstein

SEV 1011 · not EU-harmonised

L 3 round, in a line



220–240 V · 50 Hz

Italy, Chile,
parts of North Africa

CEI 23-50 · two ratings exist

N 3 round, Brazil



127 V & 220 V · 60 Hz

Brazil
(South Africa: new standard)

Two voltages in one country

Four things that catch importers out

1. **Brazil runs two voltages.** 127 V in some regions, 220 V in others — often within the same country. Confirm the destination state before production.
2. **Japan is 100 V and runs both 50 Hz and 60 Hz.** East and West Japan differ; a "100–240 V" input on the label solves it, a fixed-voltage product does not.
3. **Type G plugs contain a fuse.** The UK plug is a safety device in its own right (BS 1363), not just a connector — it needs its own approval.
4. **Switzerland is not in the EU.** Type J requires SEV 1011 approval even though the country is surrounded by Schuko markets.

Pin layouts are simplified front-face schematics for identification, not dimensional drawings. Requirements change — confirm against current official standards before production.

Compiled November 2026. Standards and regulations change — always confirm against current official requirements for your market and product. Pin layouts in the chart are simplified front-face schematics for identification, not dimensional drawings.