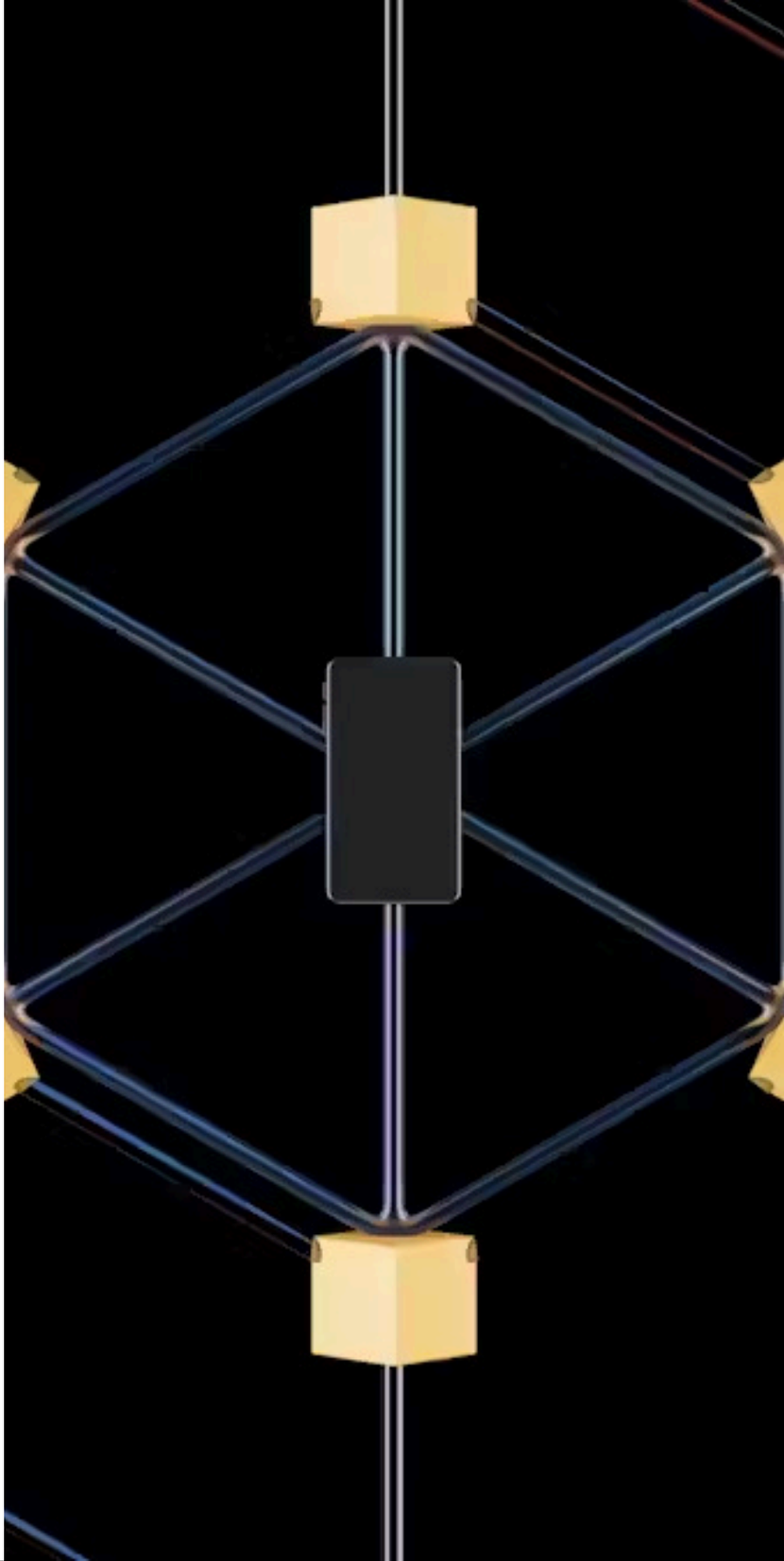
Solar Module Varieties

Understanding Cell Types & Designs

J. v. G. technology GmbH – Specialist for Turnkey Solar Module Production Equipment (Germany)



Why Half-Cells?

Larger Wafers

Higher Current

More Loss

Half-Cells = Reduced Loss

Wafer Sizes & Impact

M2 156.75 mm	**M6** 166 mm
M10 182 mm	**M12** 210 mm

Larger wafer = fewer cells per module

String Length Options

8 Half-Cells per String

9 Half-Cells per String

10 Half-Cells per String

11 Half-Cells per String

12 Half-Cells per String

Typical Max Power (Half-Cell Design)

470W	580W	690W
M6	M10	M12

Special Module Designs

Standard

- Strings in row
- Two string fields per panel (top and bottom)

Custom / Parallel Layout

- Strings in parallel
- From left to right

Summary

Power

Format

Application

Design choices define performance and usability

Your Solar Production Equipment

J. v. G. technology GmbH is a **leading German supplier of turnkey equipment for photovoltaic module production.**

The company delivers **complete manufacturing lines** and key process machines such as **stringers, laminators, and testers.**

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