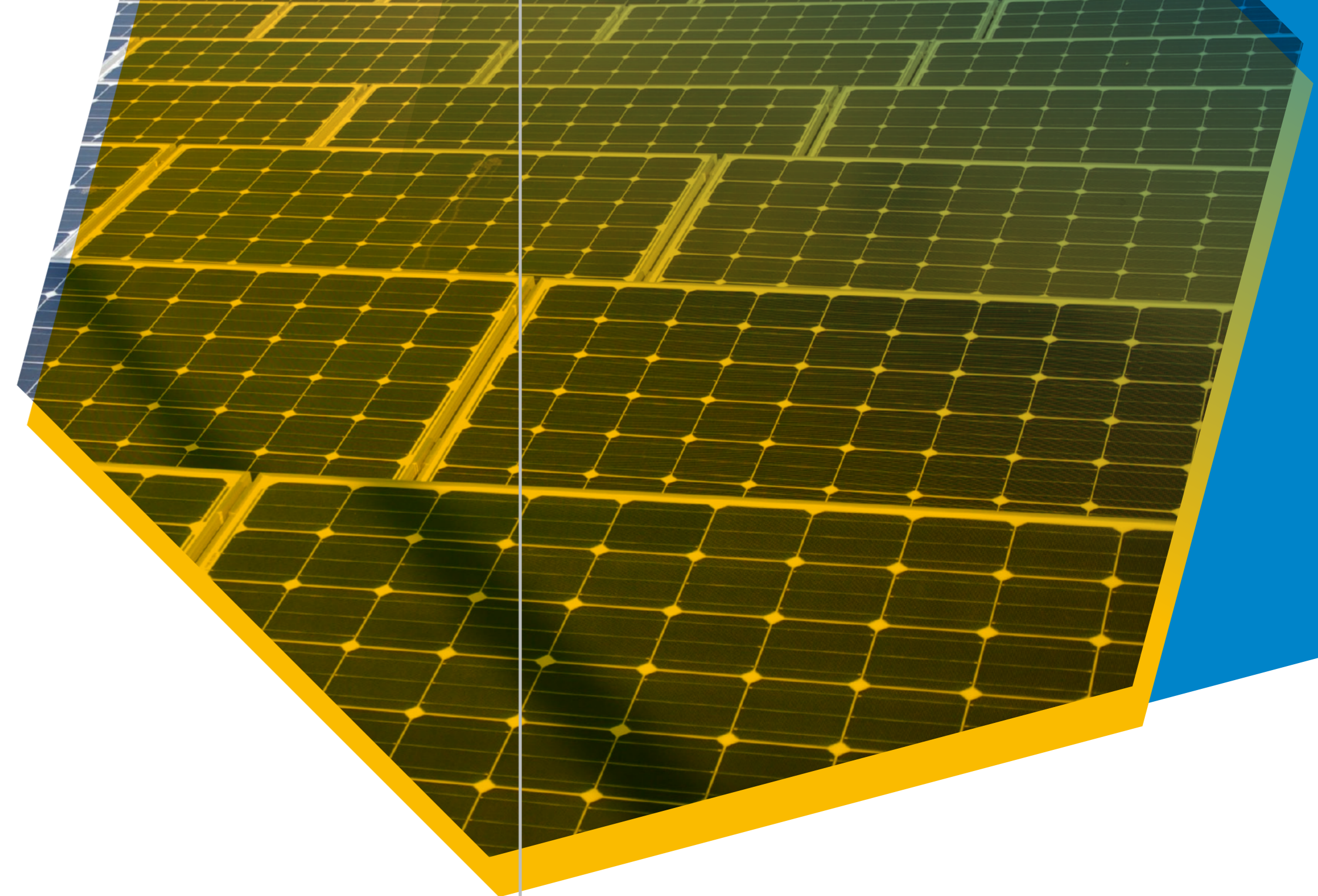


Femto
grid
Online
www.femtogrid.com



Overview of the FemtoGrid Benefits

- ✓ The safest PV system
- ✓ Early start & late shutdown of the module
- ✓ More kWh/kWp installed
- ✓ Monitoring is the steppingstone for care-free service
- ✓ Future-proof



Maximum Solar Energy
using FemtoGrid
Solar Power Optimizers

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femtogrid
energy solutions

We are Femtogrid.
 We provide **renewable energy solutions**.
 Our products generate more energy and measurably higher efficiency per system.
 We achieve these results by applying unique and patented technology in our products.

Femtogrid Solar Power Optimizer



The Femtogrid Solar Power Optimizer PO310 is a DC/DC converter per module, which maximizes solar energy by performing Maximum Power Point Tracking (MPPT) per module. Femtogrid Solar Power Optimizers can boost the total amount of energy produced up to 30%.

- ✓ Superior MPPT efficiency >99.9%
- ✓ A parallel software architecture
- ✓ Module add-on
- ✓ Module level monitoring
- ✓ Module level safety
- ✓ Solves the negative system impact of partial shading
- ✓ Solves the negative system impact of module mismatch
- ✓ Makes it possible to combine different azimuths and/or tilts in one system

Femtogrid Cabling



Femtogrid Cables connect the modules in parallel to the Femtogrid Inverter, which implies that the energy generated per module is no longer limited by a poorly performing module. As a result, Femtogrid limits the impact of partial shading, suboptimal azimuths and/or tilts, and module mismatch.

- ✓ Safe
- ✓ Reliable
- ✓ Plug & play
- ✓ Easy to extend the system or to replace parts of the system

Femtogrid Inverter



The Femtogrid Inverter 2400 is a robust DC/AC inverter specifically designed to support Femtogrid Solar Power Optimizers.

- ✓ Single phase inverter
- ✓ Galvanic isolation
- ✓ Robust inverter without MPPT and with fixed voltage mode
- ✓ Standard 10 year warranty
- ✓ Inverter level monitoring
- ✓ Inverter level safety

Inverter independent solutions will be available as of Q3/Q4 2013 via the F2G Interface Unit.

Femtogrid Monitoring



Understand the energy generated per module with our online monitoring tool, My Femtogrid. This is a web-based tool, which is visible on your (smart) phone, tablet or computer, whenever and wherever you are connected to the Internet.

- ✓ Full visibility of your system due to system, inverter and module level monitoring
- ✓ Alert-Me service
- ✓ Care-free service
- ✓ My Femtogrid system information is downloadable for own use