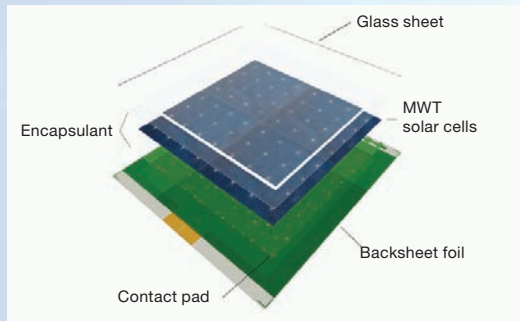


Back-contact module technology



Competitive edge

- Performance gain: up to 5% more power out of your module with metal wrap through (MWT) cells
 - reduced shadow losses
 - reduced resistive losses after interconnection
- Cost savings:
 - enabler for manufacture with thin (<math><140\mu\text{m}</math>) solar cells
 - enabler for manufacture with 8 inch solar cells



Know-how

- Improved aesthetic design
- Simplification of module manufacturing process
 - Single-step interconnection and lamination technology
 - Minimal cell handling: one pick-and-place step only
- Finite-element modeling of performance and reliability



The offer

Pilot-line equipment at ECN

- For you:
 - Back-contact module technology demonstration
 - Testing of alternative materials
 - Material evaluations
- With you:
 - Back-contact module technology development, transfer and implementation at your premises
 - Module certification
- Module concept suitable for other back-contact cell designs

Our Expertise - Your Opportunity