

**E-TONOMY**

**Making life a little bit more efficient**



**:: csem**



[info@csem.ch](mailto:info@csem.ch)

[www.csem.ch](http://www.csem.ch)

# E-tonomy—Say goodbye to wires & recharging batteries!

## Products—Power

### Innovation

- Seamless integration of PV cells into your products
- Perfectly black PV cells
- Fitting tight mechanical tolerances thanks to the latest techniques in laser ablation, dicing & engraving
- High performance with indoor light conditions
- Reliability & Swiss made quality

### Applications

- Power new functions in watches, smart & autonomous wristbands
- Power wireless sensors to monitor occupation, air quality, temperature, noise level etc—in the workplace or at home

## Specifications

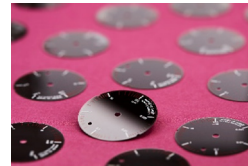
- ✓ Combined humidity heat tests
- ✓ ESD according to IEC 61000-4-2
- ✓ No discoloration after 500h of UV testing
- ✓ Available in different hues dark blue, dark green or deep black
- ✓ Customs dimensions between 0.1 & 10 cm<sup>2</sup>
- ✓ Flexible & rigid devices

### Have you got a new product idea?

Drop us a line—we will help you get rid of wires and batteries

## Performances

- Outdoor direct sun @100'000 lux 8'000  $\mu$ W / cm<sup>2</sup>
- Outdoor cloudy @10'000 lux 800  $\mu$ W / cm<sup>2</sup>
- Indoor @500 lux 40  $\mu$ W / cm<sup>2</sup>



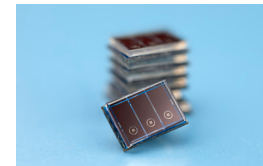
PV watch dial with up to  
5x more power



Flexible PV cells integrated  
into wristbands



50 x 50 mm<sup>2</sup> wireless  
sensor with our PV cells



Miniature 5 x 3 mm<sup>2</sup> PV cells for  
ultra-low power applications

[www.csem.ch/etonomy](http://www.csem.ch/etonomy)

