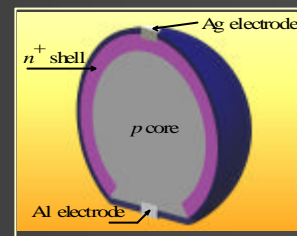
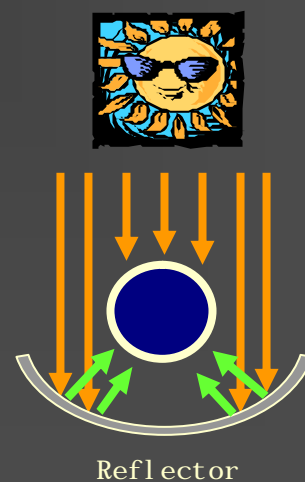
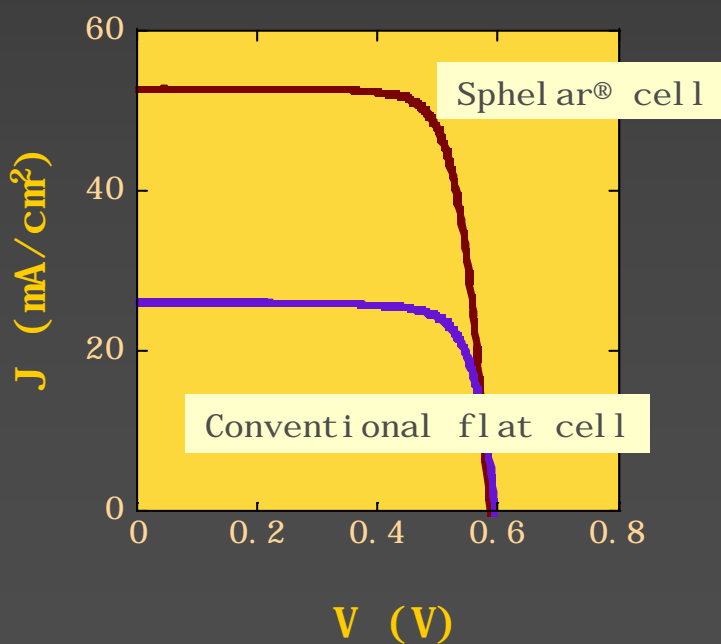


# Sphelar<sup>®</sup> innovates on the surface structure

Kyosemi provides new surface structuring technology through our featured product of Sphelar<sup>®</sup> to capture sunlight 3 dimensionally, thus improve its power generation capacity to maximum potential.

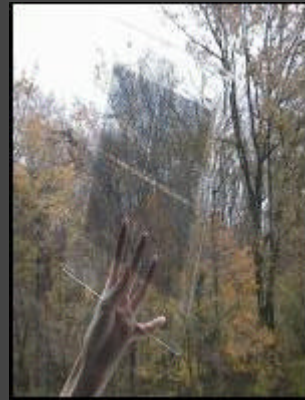


New type of standard measurement technique applied to fully evaluate the potential of Sphelar<sup>®</sup>

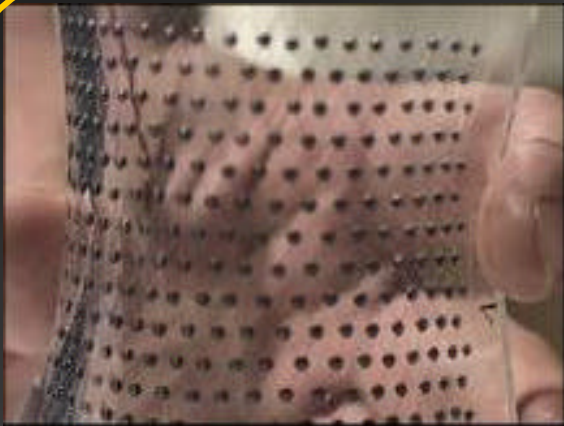


## *Innovative module designs*

High pliability to fit in various types of modules such as see-through, flexible, irregular shape, etc.



## Transparent & flexible module



The module built with 361 of Sphelar® cells embedded in a silicone matrix allows full transparency over the visible range.

Efficiency %	$P_{\max}$ mW/cm <sup>2</sup>	FF %
17.8	17.8	79.5

tested by Riso National Laboratories, Denmark

Think Round!

flexible module

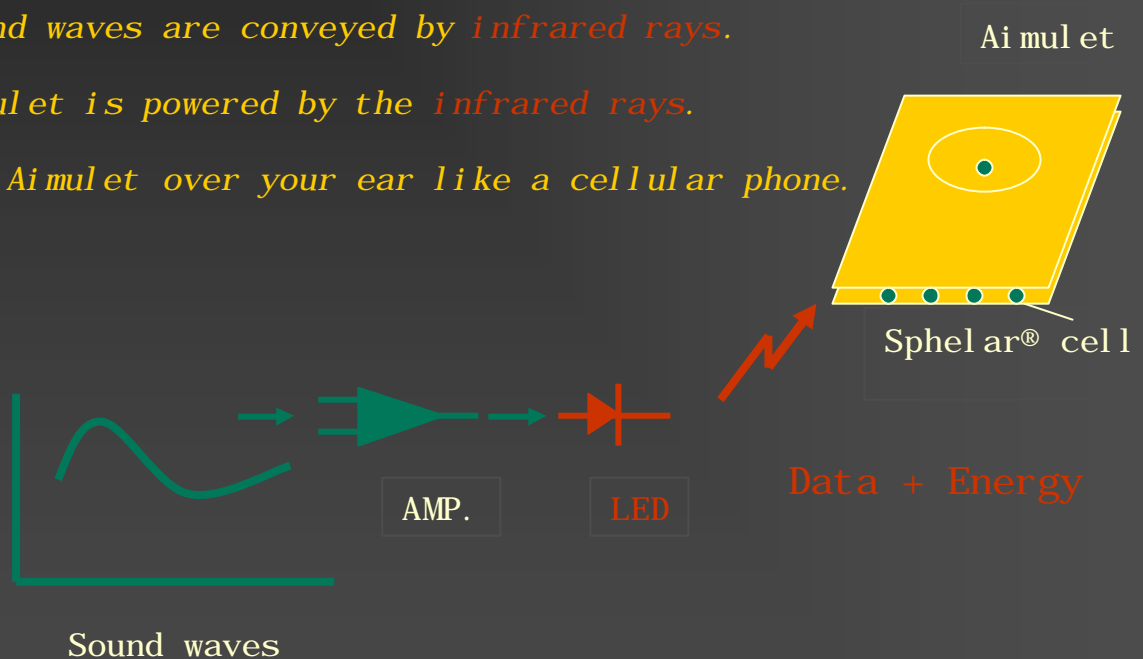
Sphelar® is superior!

The data shown here presented at PVSEC-15 2005 Shanghai, China and PVSEC Paper Award awarded.

## Sphelar<sup>®</sup> cell mounted on Aimulet\*

Aimulet is a compact information service device without batteries.

- Sound waves are conveyed by *infrared rays*.
- Aimulet is powered by the *infrared rays*.
- Put Aimulet over your ear like a cellular phone.



\*Aimulet's technology developed by AIST.  
[www.aist.go.jp](http://www.aist.go.jp)  
And employed in the EXPO 2005, Aichi Japan.

*For more information on Sphelar®*

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