

# 低照度環境でも高照度環境でも効率良く発電！

Efficient Power Generation in Both Bright and Low-Light Environments

# 有機薄膜太陽電池 (Organic PhotoVoltaics : OPV)

**研究開発**  
Research and Development

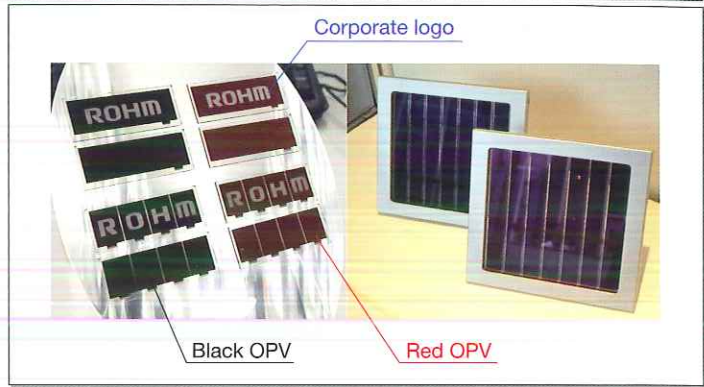
## Features

- 素子の軽量・薄型化／多色化が可能  
Supports thin, lightweight, colorful designs
- 低照度から高照度まで高効率なエネルギーハーベスティングが可能  
High efficiency energy harvesting possible even in low-light conditions (i.e. indoors)

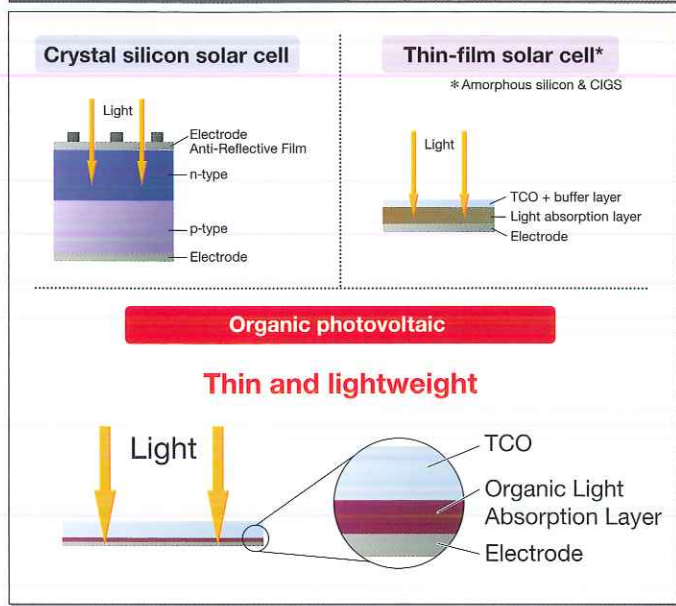
## Applications

- モバイル電子機器用(補助)電源  
(Auxiliary) power supplies for portable electronics
- 無線センサノード駆動電源  
Maintenance-free standalone power systems for wireless sensor nodes

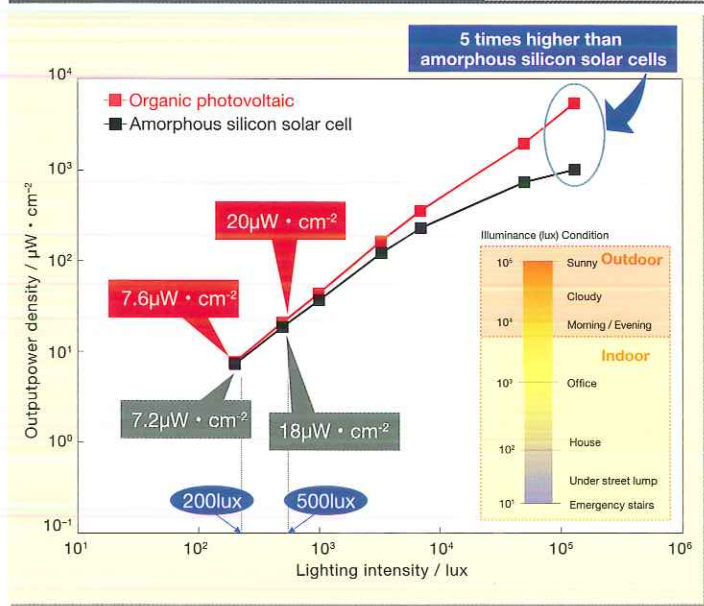
## Device Image



## Internal Structure



## Photovoltaic Performance



## Application Examples

**ex. Calculator**

Advantages: Transparent, Colorful, Design

**ex. Wristwatch**

Advantages: Lightweight, Low cost, Colorful, Design

**ex. Mobile phone**

Advantages: Design, Colorful