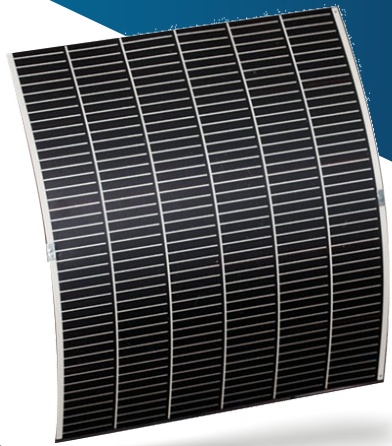


# Amorphous Silicon Solar Cells

## Amorton



### Energy harvesting for wireless low power products

Modern, convenient and environmentally friendly: With amorphous solar cells, low-power devices can be easily supplied with energy – and make primary batteries redundant. Correspondingly, operational service and maintenance costs are significantly reduced. Amorphous solar cells absorb up to 100 times more energy in the visible spectrum than crystalline solar cells. This guarantees a more stable and reliable performance – also under low light conditions, such as artificial indoor light sources as LED or fluorescent lamps. Just harvest the light!

## Key Features

- Suitable for low light conditions (200 lux)
- Efficient under artificial light (e.g. LED and fluorescent lamps)
- Extremely thin, lightweight and flexible
- Different substrates: Glass type (400µm) & film type (110µm)
- Customization possible: Shape and output power



### Building Automation

- Wireless sensor nodes
- Temperature and humidity sensors
- Window/door contact sensor



### Consumer

- Keyboards and remote controls
- E-paper displays
- Solar based toys



### Solar Watches

- Analog watches
- Chronograph watches
- Digital watches



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