

Standalone Power Supply with Integrated Perovskite Solar Cells

Even Indoor Lighting Charges Your IoT.

Standalone power supply with integrated perovskite solar cells and Bluetooth® LE module



Wireless Comms with Power Generation via Indoor Lighting

Features

- Perovskite solar cells are integrated as energy harvesters
- Highly efficient power generation in indoor lighting environments enables IoT sensing systems to eliminate the need for primary batteries
- Built-in Hosiden Bluetooth® LE module enables wireless power and communication
- A maintenance-free sensing system has been realized through a combination of various IoT sensors and secondary batteries

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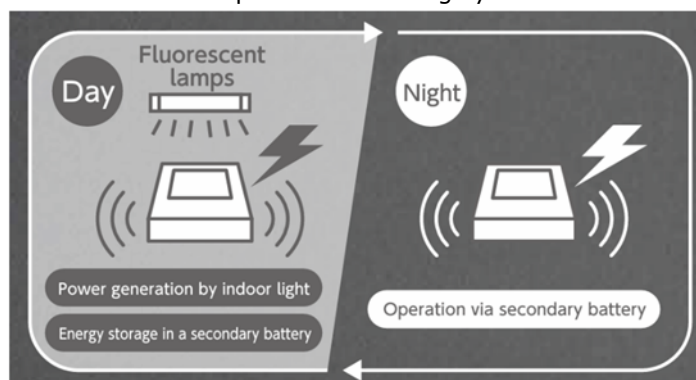
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Features

Example use of sensing system



Applications

- Edge devices in IoT sensing systems
- Various electronic devices

Specifications

Item	Specification
Module (Housing) Dimensions	56 × 56 × 13.8t mm
Solar Battery Size	37.5 × 37.5mm
Integrated Sensors	Temperature/Humidity, Acceleration, Battery voltage
Average Current Consumption (incl. Bluetooth® Comm.)	50μA

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