

Item	Unit	Single cell mini module (FDSC-FSC6FG) Aperture area 9 cm ²	Single cell module (FDSC-FSC4) Aperture area 32 cm ²	8 cell module (FDSC-FDC3FG) Aperture area 74 cm ²
Maximum Power (P _m)	μW	49	255	428
Operating Current (I _{op})	μA	122 - 0.38 V	637 - 0.38 V	136 - 3.0 V

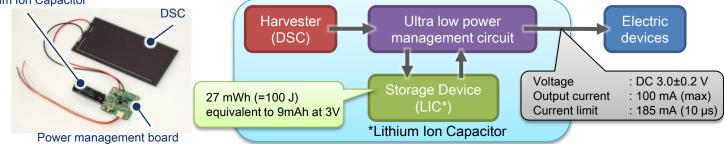
Operating condition : Surface temperature $-30 \sim 50^{\circ}$ C, Illuminance $10 \sim 100,000$ lux Electric performance will linearly increase according to intensity of illuminance (e.g. P_m and I_{op} under 1,000 lux are five times bigger than the ones under 200 lux).

DSC power module

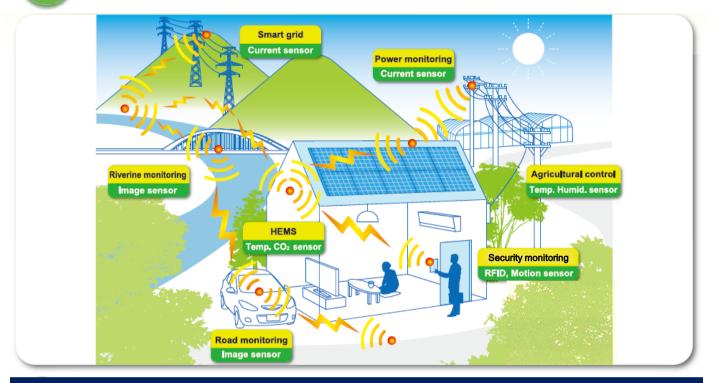
The DSC power module can:

- realize battery-less or extend battery life of various electric devices (e.g. IoT devices).
- reduce user's burden of designing ultra low power management circuit required for energy harvesting.

Lithium Ion Capacitor



Applicable areas of DSC



DSC powered Wireless Sensor Network System (Applicable only in Japan)

Features

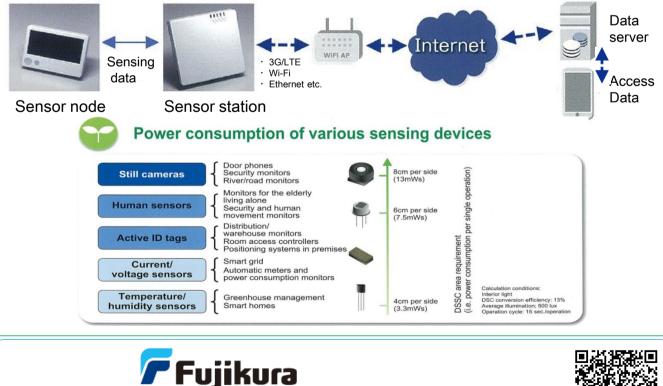
- Batteryless
 - Powered by Dye-sensitized Solar Cell (DSC) and Lithium Ion Capacitor (LIC)
- Location free
 - Long-distance Wireless communication with 920MHz band radio

Fujikura Ltd.

285-8550, Japan

1440, Mutsuzaki, sakura, chiba

Operable at low light illuminance by DSC





Email : ask-dsc@jp.fujikura.com W e b : http://www.fujikura.co.jp/eng/