

# Solar Panel Arrays

*Outward Facing Panels*

*Inward Facing Panels*

**Detector**

LP  
Filter

Tuning  
Circuitry



Comparator

Interrupt Ctrl

**Detector**

LP  
Filter

Tuning  
Circuitry



Comparator

Interrupt Ctrl

**Harvesting**

Charging  
Hysteresis

1st stage  
Capacitor

Regulator

**MCU**

MSP430  
FR6989

**Radio**

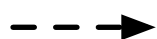
Radio

Dynamic UFoP

2nd stage  
Capacitor



*Current Flow*



*Data/Control  
Signals*

SPI

