



**Yabby**  
sensors

# Nanosatellite Solar Tank Level Sensor with Bluetooth Gateway

Monitor multiple sensors from anywhere in the world.

[theyabby.com.au](http://theyabby.com.au)



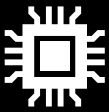
# Overview

## Solar Nanosatellite with Bluetooth Gateway

Low-cost, two-way global satellite connectivity for sensors. The Bluetooth gateway also allows connectivity with our level, rainfall and pressure long range Bluetooth Beacons.



Extra inputs and outputs to add levels, pressure, rain gauge, temperature, WQ, etc and switched pump control.



Add-on modules can provide a suite of additional capabilities

### 4-20mA Feather

- 2 x 4-20mA Sensor Inputs
- 2 x Pulse Inputs (Rain Gauge/Flow Meter)
- Onboard high-precision barometer
- I2C Sensor Input

### RS485 Feather

- RS485 Modbus Sensor Input
- 2 x Pulse Inputs (Rain Gauge/Flow Meter)
- Onboard high-precision barometer
- I2C Sensor Input



Combine this Bluetooth Gateway unit with our long range Bluetooth beacons (levels, rainfall, pressure etc) to potentially add hundreds of additional sensors



Largest low cost data plans available - 144kB to 576kB/month  
Latencies (90th percentile) of less than 10 minutes by July 2022



Waterproof and ultra-rugged IP67 housing with industrial marine grade aluminium light weight adjustable bracket (unit is 2.2kg and 25cm wide). Can be mounted on a pole or tank.



Urethane coated, scratch and UV resistant (10+ year life) solar panel and 30 Whr battery (3x 18650 cells)



Onboard GPS (lat/lon/alt)



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