



Collecting Energy Data from Solar Panel Inverters by Using the IOTSU® IMPACT Solution

IOTSU® IMPACT solution enables Modbus data collection from technical systems in the building, such as inverters in solar panels. Solution also adapts for heating and ventilation systems or other similar applications. Solution provides ability to transfer data wirelessly to the cloud where it can be used, for example in energy consumption monitoring and reporting.

Solution Features:

- Data collection from inverters, controllers, probes and other field devices via Modbus connection.
- Suitable for monitoring technical systems and bringing data together.
- Collect data from an actuator and sending it to the cloud wirelessly.



Actuator connection:	RS485 Modbus RTU
Compatible applications:	Solar panel inverters, HVAC devices
Operating environment:	Enclosed for demanding environment
Power supply:	24 V, with battery backup
Network connection:	Wireless NB-IoT-network

IOTSU® IMPACT N12 solution can be extended with additional services. We deliver complete package with Ready-to-go solution if needed. See next page for additional services.





Company: Small Data Garden Oy
Product name: IOTSU® IMPACT N12
Rev: 1.2c_20th May 2025

Expand Your Solution with Additional Services:

Real time Remote Monitoring and Alerts

Measurement data can be analysed and visualised clearly with IOTSU® Cloud solution in real time. Web based service operates without software installation. The service provides graphs and history data and with ability to set alarm thresholds and control commands. You can create new users and reports from a selected period.



Reliable and Secure Connection in Elisa's Network

Our solution operates with the IoT-connection provided by Elisa which guarantees reliable and secure data transmission. Elisa's network has extensive coverage across Finland and is suitable for demanding needs. In addition, Elisa's has broad international network of roaming partners in Sweden and other countries.



Pre-configured Device Solution

We can configure devices to your exact requirements with the measuring heads, cables and SIM cards installed and with settings programmed at our factory. This will significantly speed up deployment and reduce installation work at the site.



Need all this Ready to Go?

Choose Ready-to-go package where device, connection and visualisation create seamless package. You don't need to worry about configuring, installing or connecting. We provide whole solution ready for use.