

# WattmonPRO

The WattmonPRO is a more flexible device than the original [Wattmon](#). It was the 2nd generation to be released in our range of embedded data logging and control devices. Compared to the original [Wattmon](#), this version has several I/O lines on-board and 128KB RAM, making it easier to develop intelligent machine automation applications in addition to performing data logging.



Compared to any of the [Wattmons](#) including the [WattmonMEGA](#) (the latest and most capable Wattmon), the PRO uses the same OS, and is compatible with the same set of [Modules](#) and [Accessories](#). The PRO firmware has the same set of functions but without the code needed for the hardware improvements of the [MEGA](#).

The PRO can be used for **any** application in monitoring, control and data logging for the IoT. But particularly noted applications include:

- **Inverter Monitoring** - Inspect generation and efficiency of gridtie and hybrid inverters
- **AC Power Monitoring** - Supervise load and performance of substations and mini-grids
- **Off-Grid Battery Monitoring** - Observe battery voltage, current, SoC, charging trends and health over time
- **Zero Export & DG Protection** - Reduce active output power of multiple inverters to regulate energy generation

[Overview](#) - Introduction to the features of the WattmonPRO

[DataSheet](#)

[EC Declaration of Conformity to Standards Compliance](#)

## Quick Start Guide

The Quick Start Guide is a regularly updated manual that sheds light on some of the basic and/or essential configuration for the WattmonPRO running the latest WattmonOS version.

- [Quick Start Guide](#)

You can download the Quick Start Guide for older WattmonOS versions from here : [Quick Start Guide](#)

v.1

## User Manuals

These User Manuals are helpful for the WattmonPRO:<sup>1)</sup>

- **Overview**
- **Chapter 1, Hardware Installation**
- **Chapter 2, Connecting to the Web Interface**
- **Chapter 3, Using the Wattmon Operating System**
- **Troubleshooting**

## The Wattmons that Came After the PRO:

- The [WattmonMINI](#) was released next as a reduced version of the WattmonPRO with a single Modbus RTU port.
- The [WattmonMEGA](#) has 512KB RAM, 100mbps Ethernet, and operates at 200MHz making it over twice as fast as the PRO.

<sup>1)</sup>

These User Manuals are somewhat “dated,” having been written during times when the newer Wattmons had not yet been released, and they sometimes feature or show specific [Modules](#) or [Hardware](#) that are obsolete (no longer available). However, the OS is the same for all of the [Wattmons](#). Therefore the hardware differences are the only thing to keep in mind when using these manuals, especially the [Original Wattmon](#) and [WattmonMINI](#) which do not have the additional I/O ports that are provided on the [WattmonPRO](#) and [WattmonMEGA](#).

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