

Weather Monitoring Station for Solar Power Plants

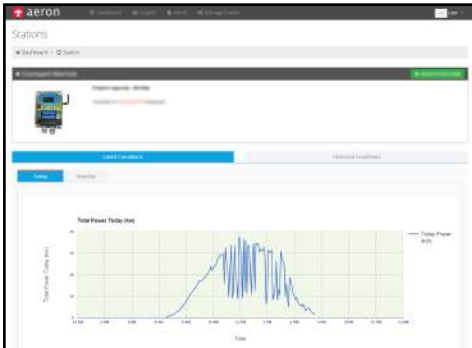


Weather Monitoring Station for Solar Power Plants measures Solar Radiation, Ambient & Module temperatures, Humidity, Wind speed & direction, Rain fall and other parameters using suitable sensors and Data Logger.

Aeron's WMS is available with choice of sensors from market-leading sensor manufacturers

“Weather Station helps monitor plant efficiency thereby ensuring maximum return on investment”

Solar Radiation and Irradiance	Air temperature and Humidity	Module temperature	Wind speed and Wind direction
Kipp & Zonen	R M Young	Campbell	R M Young
Hukseflux	Decagon	Meteocontrol	Campbell
Eko	Campbell	Fronius	Fronius
Apogee	Davis	-	Gill instruments
Meteocontrol	-	-	Davis
Davis	-	-	-



Data Logger plays an important role in accurate and reliable measurement of data from various sensors. And Aeron's Data Logger is nothing less than best!

Technical Specifications of Data Logger:

- Analog inputs: 16 single-ended or 8 differential
- Analog inputs range: 0-20mA, 4-20mA, 0-1V, 0-5V
- A/D Bits: 24
- Pulse counters: 2
- Serial inputs: RS232 and RS485 MODBUS
- Serial output: RS485 MODBUS (for integration with SCADA)
- Wireless communication: Built-in GSM/GPRS Modem
- Memory: 2MB (internal flash), 2GB (external micro SD card)
- Display: Graphic LCD, 128 x 64 resolution
- Timer: RTC with backup battery
- Operating voltage: 9-30 VDC
- Internal power: Li-ion batteries (rechargeable)

Interfacing Inverter, Energy Meter, Combiner Box:

Aeron's data logger works with all market-leading Inverter, Energy meter and combiner boxes which have RS485 MODBUS interface for communication. Data from these along with weather sensors is sent to Aeron Live Web Service for 24x7 view and download. With all its features, it is still an economical choice!



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