

# SOLON Regor.

Monitoring and Recording of Power Plant Data.

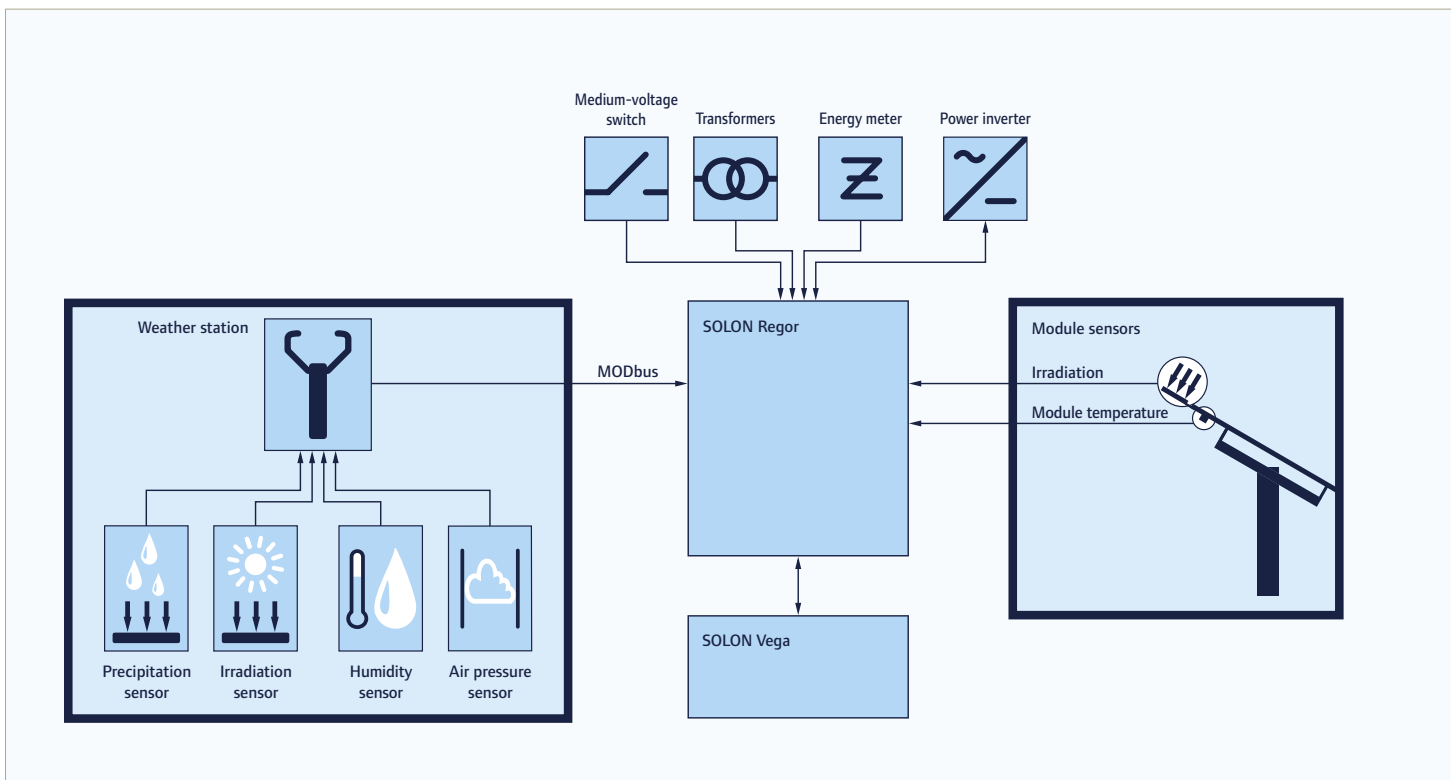


- Reliable data recording in the photovoltaic power plant
- Robust and reliable, even under extreme temperature conditions
- Flexible adjustment to different power plant technologies and sizes
- Certified industrial components tried and tested over many years



## *Reliable Recording of Power Plant Data with SOLON Regor – any Time and whatever the Weather.*

With its high-quality components and communication connections to the various power plant components (e.g. power inverter and weather station), SOLON Regor reliably records, processes and stores your PV power plant data. System features include not only implementing parameter changes, but also supplying the data for visualization and evaluation purposes.





### Data Recording.

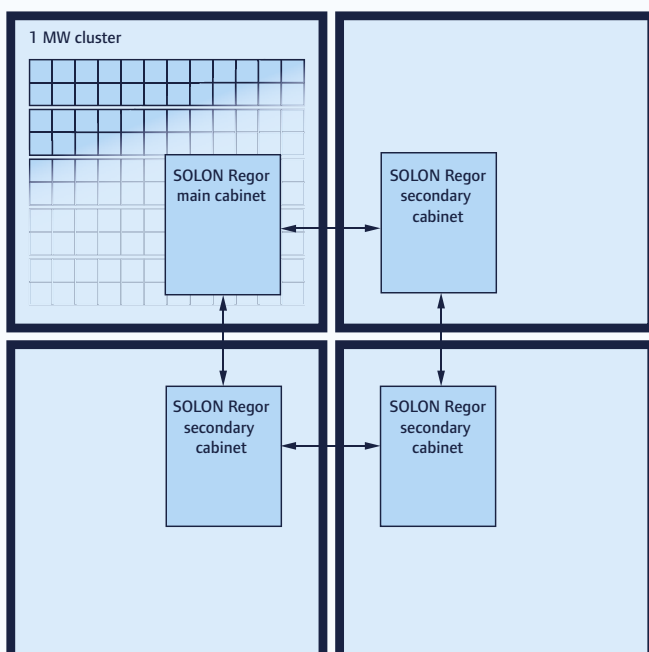
- › Continuous and customer-specific recording of relevant status-related data for the PV power plants

### Data Availability.

- › Status transmission of data every 15 minutes
- › Forwarding of error messages every one minute
- › Long-term storage of PV power plant data on site or, optionally, on secure Internet servers

### Flexibility.

- › All components can be connected thanks to open software architecture – regardless of manufacturer
- › System can be expanded at any time
- › Easy modification in line with future legal requirements



# SOLON Regor

Mechanical data	SOLON Tauri control cabinet	Control cabinet for fixed tilt installations
Dimensions H / W / D	1,200 x 800 x 300 mm	1,000 x 800 x 300 mm
Weight	approx. 130 kg	approx. 123 kg
Degree of protection	IP55	IP55

Operating conditions		
Operating temperature	-20°C to +55°C	-20°C to +55°C
Storage temperature	-20°C to +70°C	-20°C to +70°C
Humidity	0% to 95%, non-condensing	0% to 95%, non-condensing

Electrical data		
Energy supply	230 / 400 V <sub>AC</sub> / 50 Hz 3-phase 24 V <sub>DC</sub> / UPS, CC battery 2.5 Ah; DC 0.058 Ah	230 / 400 V <sub>AC</sub> / 50 Hz 1-phase 24 V <sub>DC</sub> / UPS, CC battery 2.5 Ah; DC 0.058 Ah
Power consumption nom / max	CC option: 70 W / 135 W (30 W controller)  DC option: 60 W / 105 W (15 W controller)	CC option: 70 W / 135 W (30 W controller)  DC option: 60 W / 105 W (15 W controller)
Interfaces	6 x RJ45 Ethernet, redundant ring (CU / optical fiber)  1 x RJ45 (weather station), 1 x RJ45 (power inverter) Other interfaces possible	6 x RJ45 Ethernet, redundant ring (CU / optical fiber)  1 x RJ45 (weather station), 4 x RJ45/CAN (power inverter) Other interfaces possible

## Scope of delivery: Control cabinet components

Industrial controller	✓	✓
Tracking unit drive	✓	–
Overvoltage protection (lightning protection) for all external sensors and data cables	✓	✓
24 V UPS with CC battery 2.5 Ah; DC 0.058 Ah	✓	✓
Configurable switch (CU/optical fiber ring incl. splice box)	✓	✓
Fuses	✓	✓
Inspection plug (230 V / 50 Hz)	✓	✓
Optional: Sensors for irradiation, environmental and module temperature	✓	✓

## Software

Module tracking controller	✓	–
Monitoring and protection of tracking system	✓	–
Communication with central or decentral power inverter(s)	✓	✓
Parameterization, control and program update (worldwide via Internet)	✓	✓
Recording of meteorological data	✓	✓
Power plant controller	✓	✓
Data recording	✓	✓
Temporary, onsite data storage	✓	✓
Communication via remote transmission, GSM, UMTS, DSL, satellite	✓	✓