

SOLON Vega

Power Plant Monitoring and Remote Control.



System components.

- › Field proven, certified industrial components
- › Weather-resistant and reliable, even under extreme temperatures
- › Comprehensive remote monitoring, maintenance, and control features according to grid requirement guidelines
- › Adaptable to various power plant technologies

SOLON Vega

Advantages:

- Comprehensive control, remote monitoring, and maintenance features compliant with all grid requirement guidelines
- 24-hour access to power plant information and control
- Global availability of current and historic values as well as detailed performance analyses via Internet
- User-friendly, web-based data and graphical interface
- Quick fault clearance through real-time status updates and up-to-the-minute error alarms
- Adaptable to various power plant technologies and developments
- Data security through modern encryption technology, backups, and power plant access via the password-protected SOLON portal
- Use of robust, highly weather-resistant industrial components (CE, UL)

Mechanical data	Switchboard SOLON Tauri	Switchboard SOLON Mira
Dimensions (H / W / D)	47 x 31.5 x 11.8 in	39.4 x 23.6 x 15.7 in
Weight	Approx. 215 lbs	Approx. 80 lbs
Safety class	IP54	IP54

Operating conditions	
Operating temperature	-4° to 131°F (-20°C to +55°C)
Storage temperature	-4° to 158°F (-20°C to +70°C)
Humidity	0% to 95%, non-condensing

Electrical data		
Power supply	230/400 VAC/50 Hz 3-phase 24 VDC/UPS, battery 2.5 Ah	230/400 VAC/50 Hz 1- phase 24 VDC/UPS, battery 2.5 Ah
Power input nom / max	CC option: 70 W / 135 W (controller 30 W) DC option: 60 W / 105 W (controller 15 W)	CC option: 70 W / 135 W (controller 30 W) DC option: 60 W / 105 W (controller 15 W)
Interfaces	6 x Ethernet RJ45, redundant ring (CU / LWL) 1 x RJ45 (weather station), 1 x RJ45 (inverter) Additional interfaces possible	6 x Ethernet RJ45, redundant ring (CU / LWL) 1 x RJ45 (weather station), 4 x RJ45/ CAN (inverter) Additional interfaces possible

Switchboard components delivery scope		
Industrial control system	✓	✓
Tracking unit control	✓	-
Overvoltage protection (lighting arrestor) for all external sensors and data lines	✓	✓
24 V UPS with battery (2.5 Ah)	✓	✓
Configurable switch (CU / LWL-ring incl. splice box)	✓	✓
Safety fuses	✓	✓
Inspection plug (230 V / 50 Hz)	✓	✓
Optional: insulation and ambient and module temperature sensors	✓	✓

Software		
Module tracking control	✓	-
Tracking system monitoring and protection	✓	-
Communication to central or decentral inverter(s)	✓	✓
Parameterization, control, and program update (including remote)	✓	✓
Meteorological data recording	✓	✓
Power plant control	✓	✓
Data recording	✓	✓
Temporary, local data storage	✓	✓
Communication via remote data transmission, GSM, UMTS, DSL, satellite	✓	✓