

Finder 6M Series Power Analyzers

Power outages, sudden changes in the characteristics of the electricity supply network or unintended power overload conditions can all negatively impact on the normal activity of electrical panels and machinery.

The 6M Series power analyzer products are capable of measuring and exchanging data relating to power and/or energy being consumed or generated, while at the same time measuring the prime electrical characteristics that indicate the quality of the electrical network.

Designed for use in commercial and industrial electrical control and distribution panels, machine tools, or production and inverter equipment, they can also be particularly useful in PV systems, and EV charging stations.

The Range Includes:

Type 6M.Tx – Single phase Modbus quality power Monitors. All-in-one CT, Power/Energy meter and Supply quality monitor + Modbus communications.

Technical Features:

- True-RMS AC and DC measurements
- Accuracy class: 0.5% F.S.
- Up to 300 A – 800 V AC
- Up to 400 A – 1000 V DC measurement
- Bi-directional active energy measurement kWh
- Working frequency: DC or 1...400 Hz
- Fully configurable via Modbus RS485 interface (free software)

Type 6M.BU.0.024.2200 – Modbus RS485 RTU. Modbus TCP/IP Gateway with on board web server interface.

Technical Features:

- Ethernet com port: 10/100 Mb/s (Max 10 Client)
- Modbus RTU com port: RS485 up to 115.200 bit/s (Max 200 slave)
- User interface: 6 LED
- Insulation between power supply, RS485, Ethernet: 1500 V

- DIN rail mounting

All power monitors have an integrated Modbus RS485 communication port and the capability to measure bidirectional active energy (kWh). Additionally, instantaneous values for V (RMS), A (RMS), PF, kW, kVA, kvar, Hz, THD (I), Vpk, Ipk, Cos ϕ , are also measured/calculated.

Applications:

- Charging Stations
- Inverter
- Panels for Electrical Distribution
- Control Panels
- Electrical Energy Control
- Industrial Robots