Vantor VM-S20MT

Single Phase DIN Rail Meter, 100A Direct, Multi-Tariff

Vantor VM-S20MT MID-approved single-phase DIN rail energy meter with 100A direct connection, RS485 Modbus RTU and a real-time clock driving four tariffs across eight time segments. The multi-tariff version of the VM-S20M, for time-of-use billing and daily or monthly consumption tracking.



Key specifications

- MID approved (EN 50470-3:2022)
- Class 0.5 active energy, Class 2 reactive (IEC 62053-21/22/23)
- 1P2W, 230V AC (176–275V), 45–65Hz
- 0.15–100A direct input, rated 5A, 30× overload for 0.01s
- 4 tariffs, 8 time segments, RTC accuracy 0.5 s/day
- Monthly consumption for the last 12 months, daily for the last 31 days
- Bi-directional import/export active and reactive energy, four-quadrant
- Meter running time and load running time measurement
- Multifunction: V, A, W, var, VA, kWh, kvarh, PF, maximum demand
- RS485 Modbus RTU / DL/T645-2007, 1200–38400bps, up to 64 devices, 1000m
- 1 configurable pulse output, pulse LED 1000 imp/kWh
- Large backlit LCD with touch buttons, password protection, low-battery alarm
- 2 modules (36mm) TH35-7.5 DIN rail, IP51 display / IP30 body
- –25°C to +55°C operating, 4kV AC insulation, CAT III

Ordering information

Order code	Description
VM-S20MT	Single Phase DIN Rail Meter, 100A Direct, Multi-Tariff