Vantor VM-D50M

Three Phase DIN Rail Energy Meter, 100A Direct, THD, RS485

Vantor VM-D50M MID-approved three-phase DIN rail energy meter with 100A direct connection, RS485 Modbus RTU, THD measurement and dual power supply. Four-quadrant, bi-directional metering for 1P2W, 2P3W, 3P3W and 3P4W networks in a 4-module housing.



Key specifications

- MID approved (EN 50470-3:2022), Class 0.5 active / Class 2 reactive (IEC 62053-21/22)
- 3×230/400V AC (85–276V L-N, 85–480V L-L), 50/60Hz
- 0.15–100A direct input per phase, rated 5A, 30× overload for 0.01s
- 1P2W / 2P3W / 3P3W / 3P4W network configurations
- Bi-directional import/export active and reactive energy, four-quadrant
- Voltage and current THD measurement
- Multifunction: V, A, W, var, VA, kWh, kvarh, PF, frequency
- 4 tariffs, 8 time segments; monthly and daily energy statistics
- RS485 Modbus RTU / DL/T645-2007, 1200–38400bps
- 1 configurable pulse output, pulse LED 400 imp/kWh
- Dual sources: regular and spare (auxiliary) power supply
- Large backlit LCD with touch buttons, password protection
- 4 modules (72mm) 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-D50M	Three Phase DIN Rail Energy Meter, 100A Direct, THD, RS485