Vantor VM-D50DS

Three Phase DIN Rail Meter, 100A Direct, Dual Source

Vantor VM-D50DS MID-approved three-phase DIN rail energy meter with 100A direct connection and dual-source measurement, so mains and standby generator energy are registered separately on one meter. RS485 Modbus RTU, THD and four-quadrant metering on 1P2W, 2P3W, 3P3W and 3P4W networks.



Key specifications

- Dual sources: regular supply and spare (generator / standby) supply measured separately
- MID approved (EN 50470-3:2022), Class 0.5 active / Class 2 reactive
- 3×230/400V AC (85–276V L-N, 85–480V L-L), 45–65Hz
- Dual source ports 85–300V AC
- 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
- Maximum demand with configurable demand period and sliding window
- RS485 Modbus RTU / DL/T645-2007, 1200–38400bps, up to 64 devices, 1000m
- 1 configurable pulse output, pulse LED 400 imp/kWh
- 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-D50DS	Three Phase DIN Rail Meter, 100A Direct, Dual Source