FKJ-GT 2 kW • AC 380 V

Wind turbine controller • On-grid • controller (rectifier + protection)

Wind analysis
kalkulator.viartem.pl

SKU
FKJ-GT-2KW-380V

EAN
5907494390813

MANUFACTURER
Jinan Deming Power Equipment Co., Ltd
Jibei Industrial Zone, Jiyang, Shandong, China

RATED TURBINE POWER	MAX. TURBINE POWER	TURBINE VOLTAGE	IP RATING	OPERATING TEMPERATURE
2.0 kW	**4.0 kW**	**AC 380 V**	**IP20**	**-30…+60 °C**



Key features

- Rectification, control and DC output for a three-phase 380 V AC turbine.
- Overvoltage and grid-loss protection, output voltage stabilisation and surge protection.
- Manual controls: brake, reset and emergency stop.
- LCD displays turbine, PV and DC parameters, including total power.
- Optional communication: RS485 / USB / GPRS / Wi-Fi / Ethernet.

Control and protection of a 380 V AC turbine in on-grid or hybrid installations; PV integration subject to system design.

Technical data

Type	FKJ-GT 2 kW AC 380 V
Functions	Rectification, control, DC output
Constant-voltage PWM control	≥ 550 V DC
3-phase dump-load voltage	580 ± 5 V DC
3-phase dump-load duration	12 - 20 min
PWM dump-load fuse	10 A
DC output fuse	10 A
Cooling	Forced-air cooling
IP rating	IP20 (indoor use)
Operating temperature	-30 - 60 °C
Relative humidity	< 90 %, non-condensing
Noise level (1 m)	< 40 dB
Controller dimensions	580 × 440 × 360 (mm)
Controller weight	20 kg
Dump-load module dimensions	480 × 480 × 210 (mm)
Dump-load module weight	11 kg
Certificates	CE

Functions and protection

Automatic protection
- Overvoltage protection
- grid-loss protection
- output voltage stabilisation
- surge protection

Manual functions
- Manual brake
- reset
- emergency stop

LCD / monitoring
- Wind turbine voltage, current and power
- PV voltage, current and power
- DC voltage, current and power
- total power

Communication (optional)
- RS485
- USB
- GPRS
- Wi-Fi
- Ethernet

Important: The controller provides rectification, voltage control and automatic turbine protection. It is not a grid-tie inverter.
Installation: Install indoors or in a protected enclosure. Select protection devices, dump load and cables according to the system design. Indicative specifications; customisation to user requirements and PV integration are available.
Recommended turbine: FT-2000L2-380V
Brand: DEMING · **Manufacturer:** Jinan Deming Power Equipment Co., Ltd

VIARTEM

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