

GenDrive's Totus Wind 3-10 inverter is a genuine "plug and play" solution with integrated active rectifier. Designed for ease of installation, the TW 3-10 maximises the energy generated by horizontal and vertical axis turbines. Power generation from even light winds is possible thanks to the inverter's low cut-in voltage and it's unique over-voltage protection enables generation and export of all available energy in high winds.

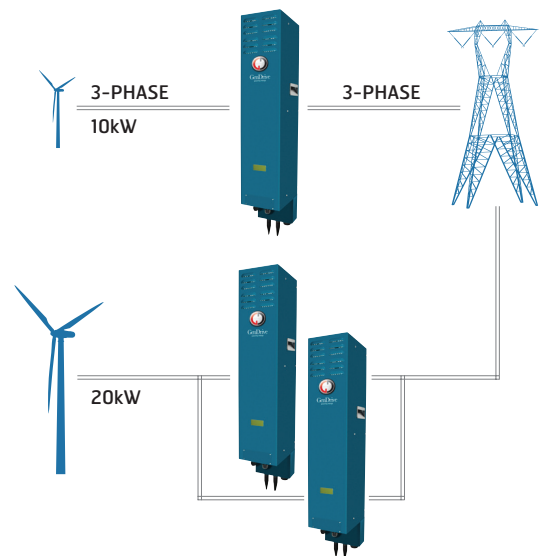
Remote monitoring and data logging can all be achieved by an array of communication protocols including CAN and wireless GPRS. The Totus Wind 3-10, with its numerous unique features, delivers the best possible return on turbine investment.

FEATURES

- Integrated active rectifier
- "Plug & Play" design for simplified installation
- Connect parallel units without transformers for higher powers
- Automatic over-voltage protection
- Dynamic ramp rate control
- Low speed energy capture
- High quality sine wave output
- Compact & lightweight wall mounted design
- Grid connected operation with anti-islanding protection
- Data logging and acquisition
- 5 year warranty

OPTIONS

- Wireless health and performance monitoring
- Simple plant integration with isolated I/O
- Extended warranty



Multiple modules for higher power turbines

TW 3-10

TECHNICAL DATA

OUTPUT (AC)

Rated power	12 kW @ 415 V
Line voltage	380 – 480 V
Phase current	16 A
Max power factor (cosφ)	1.0
Frequency†	50 / 60 Hz
Grid connection	3-phase

INPUT (AC)

Max voltage (rms)	560 V
Max phase current (rms)	21 A
Max frequency	300 Hz
Min turbine cut-in voltage (rms)	50 V
Generator power factor	Optimised for lowest losses

INTEGRATED PROTECTION

Over-voltage	•
Over-current	•
Transient voltage suppression	•
Physical isolation device	•

GENERAL

Maximum efficiency	95%
Size (HxWxD) in mm	1008x197x257
Weight	45 kg
G83/1 Certification	•

SPECIAL FEATURES

Health & performance monitoring	•
Data logging and acquisition	•
Plant system control I/O:	○
Analogue inputs	4
Digital inputs / outputs	8 / 8
Relay contacts	4
Communication protocols:	
CAN	•
Wireless GPRS	○

ENVIRONMENT

Operating temperature range	-10°C to +40°C
Storage temperature range	-30°C to +55°C
Relative Humidity (non-condensating)	<95%
Enclosure IP rating	IP44

† Frequency controlled to match local network requirements

• Standard feature ○ Optional feature



GENDRIVE LIMITED
 28 Papworth Business Park Stirling Way Papworth Everard Cambridge UK CB23 3GY

T: +44 (0)845 2574 365 F: +44 (0)870 7628 987
 enquiries@gendrive.co.uk www.gendrive.co.uk

www.gendrive.co.uk