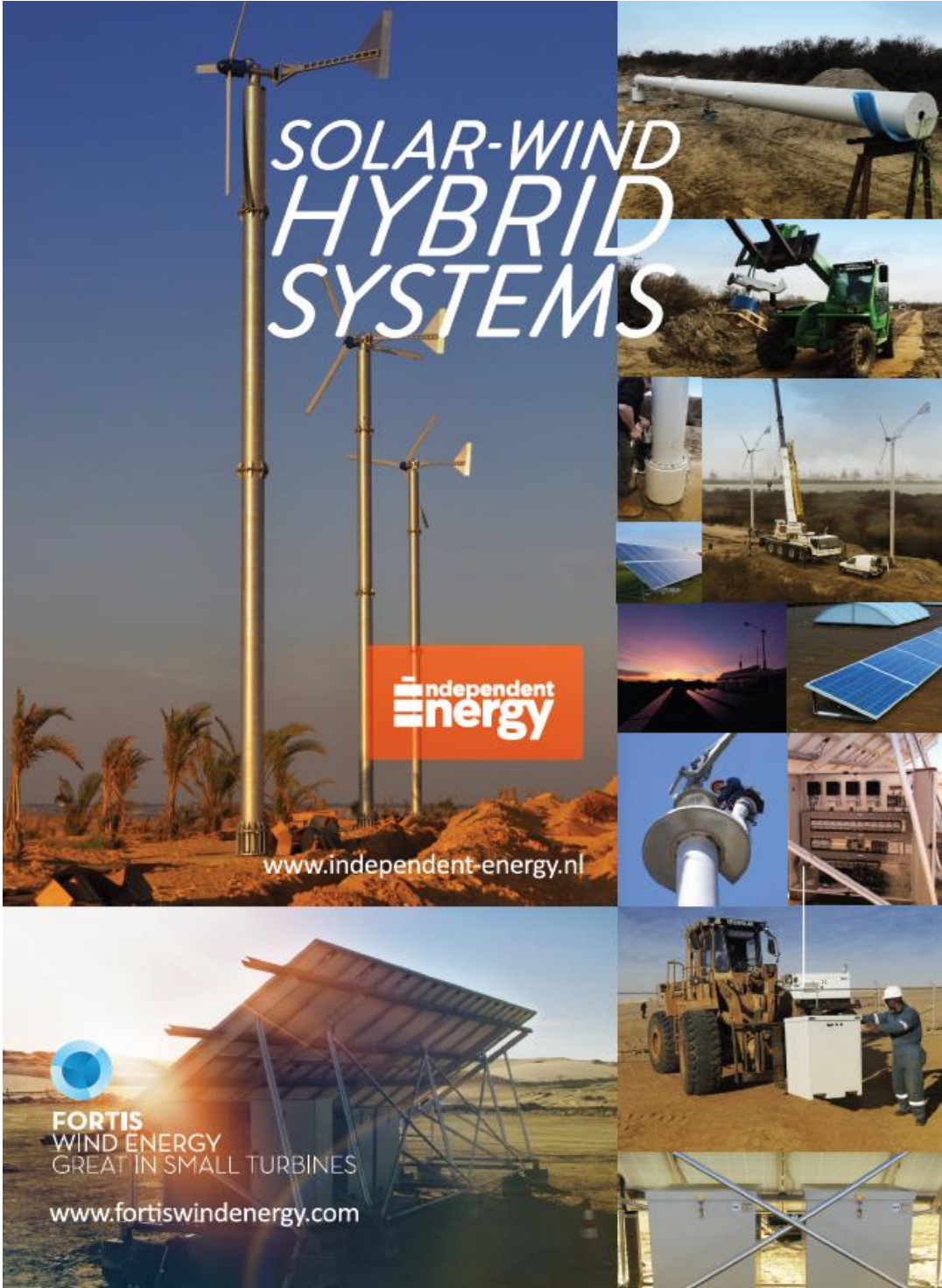




FORTIS
WIND ENERGY
GREAT IN SMALL TURBINES

Fortis Wind Energy Systems Market List Price 2020





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All information are based on our " ORGALIME S_2000_GB " General Conditions for the Supply of Mechanical, Electrical and Electronic Products " from Brussels, August 2000 applies.

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DELIVERY CONDITIONS

For all orders the “ **ORGALIME S_2000_GB** ” General Conditions for the Supply of Mechanical, Electrical and Electronic Products ” from Brussels, August 2000 applies.

Terms of delivery: **(EXW) Ex_Works The Netherlands**, including packing of the goods for container/air-/sea freight & transport and loading on carrier.

Delivery time, dispatch from our works: 4-6 working weeks after a written order to Fortis Wind BV together with a receipt on the down payment.

Terms of payment, all prices are exclusive of value added taxes (VAT)

all prices are net in Euro (EUR)

50 % of the contract amount as down payment per bank transfer with order

50 % of the contract amount to be paid per bank transfer at dispatch from our works

Prices valid from: **01-01-2020 to 31-12-2020**

Warranty:

Warranty on the Fortis Products delivered by Fortis is standard limited to 60 months after production has started. The warranty comprises the repair or replacement of a component, or components, which are damaged by malfunction, due to faults in the design, the quality of the materials applied, or workmanship.

No warranty is given if purchaser makes changes to the goods supplied by Fortis Wind Energy, or applies other materials or components which are not supplied by Fortis Wind Energy or do not follow the installation instructions properly. The warranty include free-of-charge repair service exclusively at the manufacturer’s facilities. The units have to be sent carriage-paid. A further liability, particularly for subsequent damages/defects, will be rejected. Warranty of Electronic control equipment supplied by the original manufacturer is mostly limited to one/two years. Optional; suppliers offers a fee-based manufacturer's extended warranty, from the date of purchase. For details see Fortis Warranty Certificate.

Shipping ground anchors in advance of the pole is separately transport cost.

All Bank Charges are for the account of the buyer.

Terms of payment are stated on our offer, order confirmation and invoice.

N.B. We are obliged to charge all residents of EC countries **21% VAT**, over and above the catalogue price, on all goods sold. Customers who can demonstrate a legally registered and controlled VAT code will not be charged VAT.

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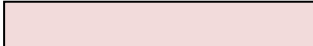
info@fortiswindenergy.com
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Reg. number: 57451958
VAT no.: NL852585743B01
IBAN: NL22TRIO 0784808309
Bank Triodos Bank



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FORTIS Passaat wind turbine systems		
Article no.	On-Grid System	Price in EURO
1400-1-14	1.4 kW Turbine with 3.12m diameter, Fortis Voltage Controller IN-350V-5A, On/Off Switch with LED status, Automatic Brake Switch, ABB 1.2 kW grid feed Inverter with front panel display, dump load and Power Curve programming included. Output: 230VAC, 1-phase + N + PE	€ 5.800,-
1400-1-15	1.4 kW Turbine with 3.12m diameter, Fortis Voltage Controller IN-350V-5A, On/Off Switch with LED status, Automatic Brake Switch, ABB 2.0 kW grid feed Inverter with front panel display, dump load and Power Curve programming included. Output: 230VAC, 1-phase + N + PE	€ 5.885,-
Article no.	Off-Grid System	Price in EURO
1400-1-20	1.4 kW Turbine with 3.12m diameter, with Fortis Voltage Controller 24VDC, Battery charger and dump load Output: 24VDC for battery charging	€ 3.655,-
1400-1-21	1.4 kW Turbine with 3.12m diameter, with Fortis Voltage controller 48VDC, Battery charger and dump load Output: 48VDC for battery charging	€ 3.655,-
Article no.	Off-Grid System	Price in EURO
1400-0-13	1.4 kW Turbine with 3.12m diameter, with Fortis Voltage Controller MP-60A-24VDC, Battery charger, dump load and Inverter Cont. output power: 1300W/230VAC-1-phase	€ 4.528,-
Article no.	Off-Grid System	Price in EURO
1400-0-14	1.4 kW Turbine with 3.12m diameter, with Fortis Voltage Controller MP-30A-48VDC, Battery charger, dump load and Inverter Cont. output power: 2500W/230VAC-1-phase	€ 5.306,-



FORTIS Passaat Towers		
Article no.	Guyed tower	Price in EURO
1400-10-12	Height 12 m	€ 1.633,-
1400-10-15	Height 15 m	€ 2.551,-
1400-10-18	Height 18 m	€ 2.751,-
1400-10-10	Earth screws anchors (4x)	€ 328,-

Article no.	Free standing tower	Price in EURO
1400-11-12	Height 12 m	€ 2.562,-
1400-11-15	Height 15 m	€ 3.160,-
1400-11-18	Height 18 m	€ 3.760,-

Battery pack		
Article no.	Battery pack	Price in EURO
1400-8-20	4 pcs for Battery pack Rolls led acid 24VDC-400Ah	€ 1.592,-

Examples of Passaat wind turbine configurations		
Article no.	On-Grid System	Price in EURO
1400-E1	1.4 kW Turbine with 3.12m diameter, Voltage Controller & Inverter, dump load and guyed tower 12m Total system cost:	€ 5.800,- € 1.633,- € 7.433,-

Article no.	Off-Grid System	Price in EURO
1400-E2	1.4 kW Turbine with 3.12m diameter, Voltage Controller / Charger, battery pack, Inverter 1300W with 230VAC Output and guyed tower 12m Total system cost:	€ 4.528,- € 1.592,- € 1.633,- € 7.753,-

Article no.	On-Grid System with pre-wired cabinet	Price in EURO
1400-1-14-CAB	1.4 kW Turbine with 3.12m diameter including pre-wired control cabinet for plug & play. Configuration set up by voltage Controller IN-350V-5A, On/Off Switch with LED status, Automatic Brake Switch, ABB grid feed Inverter with front panel display, dump load and Power Curve programming included. Output: 230VAC, 1-phase + N + PE	On request



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Options:		
Article no.	Description	Price in EURO
1400-SA-4	Slip ring solution	On request
1400-SA-5	Special Paint in any RAL code	On request
1400-SA-6	Extra corrosion resistance by Epoxy Powder Coating (all parts standard hot-dip galvanized)	On request





FORTIS Montana wind turbine systems		
Article no.	On-Grid System 5 kW	Price in EURO
4000-1-17	Montana 5kW Turbine with 5.0m diameter, Brake Switch, SW5.5 grid feed inverter with front Panel display, dump load including Power Curve programming. Optional: wind sensor. Output: 400VAC 3-phase + N + PE	€ 17.500,-
Article no.	On-Grid System 6 kW	Price in EURO
6000-1-16	Montana-Q 6kW Turbine with 5.25m diameter, Brake Switch, SW5.5 grid feed inverter with front Panel display, dump load including Power Curve programming. Optional wind sensor. Output: 400VAC 3-phase + N + PE	€ 17.750,-
Article no.	On-Grid System 5 kW	Price in EURO
4000-1-18	Montana 5kW Turbine with 5.0m diameter, Brake Switch, voltage- & Power Curve Controller, ABB 5.0 kW grid feed inverter with front Panel display, dump load including Power Curve programming. Output: 230VAC 1-phase + N + PE	€ 12.350,-
Article no.	On-Grid System 6 kW	Price in EURO
6000-1-17	Montana-Q 6kW Turbine with 5.25m diameter, Brake Switch, voltage- & Power Curve Controller, ABB TRIO 5.8 kW grid feed inverter with front Panel display, dump load including Power Curve programming. Output: 400VAC 3-phase + N + PE	€ 13.350,-
Article no.	On-Grid System 6 kW	Price in EURO
6000-1-18	Montana-Q 6kW Turbine with 5.25m diameter, Brake Switch, voltage- & Power Curve Controller, ABB 6.0 kW grid feed inverter with front Panel display, dump load including Power Curve programming. Output: 230VAC 1-phase + N + PE	€ 12.775,-
Article no.	Off-Grid System 48VDC	Price in EURO
4000-1-20	5kW Turbine with 5.0m diameter, Voltage Controller/Charger IN-48V-100A and dump load Output: 48VDC for Battery Charging	€ 10.350,-



Article no.	Off-Grid system	Price in EURO
4000-10-13	5kW Turbine with 5.0m diameter, Voltage Controller/Charger IN-48V-100A, 4x dump Loads and Inverter 48/3000. Cont. output power: 2500W/230VAC-1-phase	€ 12.295,-

Article no.	Off-Grid System	Price in EURO
4000-10-14	5kW Turbine with 5.0m diameter, Voltage Controller/Charger IN-48V-100A, 4x dump loads and Inverter 48/5000W Cont. output power: 4500W/230VAC-1-phase	€ 13.623,-

Hybrid Micro-Grid System		
Article no.	Micro-Grid System	Price in EURO
9800-10-15	Montana-Q 6kW Turbine with 5.25m diameter, Brake Switch, grid feed inverter, display, dump load and Power Curve programming. Energy Management by 3 Controllers incl. software programming. Distribution cabinet. Solar Modules on field system, Solar controller. and Battery bank of 48VDC-20kWh. Output for loads: 230/400VAC 3-phase + N + PE	On request





FORTIS Montana Towers		
Article no.	Guyed tower	Price in EURO
4000-10-12	Height 12 m	€ 2.415,-
4000-10-15	Height 15 m	€ 2.975,-
4000-10-18	Height 18 m	€ 3.341,-
4000-10-24	Height 24 m	€ 4.238,-

Article no.	Free Standing tower	Price in EURO
4000-11-12	Height 12 m	€ 3.937,-
4000-11-15	Height 15 m	€ 4.410,-
4000-11-18	Height 18 m	€ 5.726,-
4000-11-24	Height 24 m	€ 8.954,-

Battery pack		
Article no.	Battery pack	Price in EURO
4000-8-20	8 pcs for Battery pack Rolls led acid 48VDC 400Ah	€ 3.183,-

Options:		
Article no.	Description	Price in EURO
4000-SA-4	Slip ring solution	On request
4000-SA-5	Special Paint in any RAL code	On request
4000-SA-6	Extra corrosion resistance by Epoxy Powder Coating (all parts standard hot-dip galvanized)	On request
6000-8-2 *	Wind measure system for On_Grid configuration including: Anemometer, Cables 20m, stainless steel mounting arm on tower and sensor directly connected to inverter	€ 1.050,-
*	Articles with extension *	Net prices



Examples of Montana wind turbine configurations

Article no.	On-Grid System	Price in EURO
4000-E1	5kW Turbine with 5.0m diameter, Voltage Controller Brake Switch, Grid feed Inverter including Power curve programming, dump load and guyed tower 12m Total system cost:	€ 17.500,- € 2.415,- € 19.915,-

Article no.	Off-Grid System	Price in EURO
4000-E3	5kW Turbine with 5.0m diameter, Voltage Controller for battery charging IN- 48V-100A, dump load, Inverter/Charger 48/3000W 230VAC battery back Rolls led acid 48VDC 400Ah and guyed tower 12m Total system cost:	€ 12.295,- € 3.183,- € 2.415,- € 17.893,-





FORTIS Alizé wind turbine systems		
Article no.	On-Grid System	Price in EURO
10-1-10	10kW Turbine with 6.3m diameter, Brake Switch, SW10 Grid Feed Inverter, display, dump load, Power Curve programming included. Output: 400VAC 3-phase + N + PE	Under Construction Update

Article no.	On-Grid System	Price in EURO
10-1-12	10kW Turbine with 6.3m diameter, Brake Switch, voltage- & Power Curve Controller, ABB TRIO 8.5 kW grid feed inverter with front Panel display and dump load. Power Curve programming included. Optional wind sensor. Output: 400VAC 3-phase + N + PE	Under Construction Update

Article no.	Off-Grid System	Price in EURO
10-10-20	10kW Turbine with 6.3m diameter, Brake Switch, SW10 Grid Feed Inverter, display and dump load. Power Curve & software programming included. Energy Management by 3 Controllers with 48VDC for Battery Charging & power for load]. Output for loads: 400VAC 3-phase + N + PE	Under Construction Update

Options:		
Article nr.	Description	
10-4-22	Larger Rotor blades with 6.6 m diameter [Only for low wind speed area's]	€ 150,-
10-4-23	Larger Rotor blades with 6.9 m diameter [Only for low wind speed area's]	€ 300,-
10-SA	Slip ring solution	On request
10-8-1*	Wind measure system for On_Grid configuration including: Anemometer, Cables 20m, stainless steel mounting arm on tower and sensors directly connected to inverters	€ 1.050,-
*	Articles with extension *	Net prices

Hybrid Micro-Grid System		
Article no.	Micro-Grid System	Price in EURO
16000-10-23	Alizé 10kW Turbine with 6.3m diameter, Brake Switch, SW10 Grid Feed Inverter, display, dump load, Power Curve & software programming included. Energy Management by 3 Controllers with 48VDC for Battery Charging & power for load]. AC/DC Fortis distribution cabinet. Solar Modules 6.0 kWp on field system incl. Solar controller and Battery bank system of 48VDC-20kWh. Output for loads: 400VAC 3-phase + N + PE	Under Construction Update



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FORTIS Alizé Towers		
Article nr.	Guyed tower	Price in EURO
10-10-18	Height 18 m	€ 4.535,-
10-10-24	Height 24 m	€ 6.591,-
10-10-30	Height 30 m	€ 8.700,-

Article nr.	Free Standing tower	Price in EURO
10-11-12	Height 12 m	€ 5.679,-
10-11-15	Height 15 m	€ 8.869,-
10-11-18	Height 18 m	€ 10.552,-
10-11-24	Height 24 m	€ 15.645,-





Accessories / Training modules		
Article nr.		Price in EURO
14510-8	Wind system for wind data measuring with Telescopic tower: 10 or 15m	On request
1400-10-30	Passaat: Gin pole (6 - 9m), wire rope 25m and manual winch of 800 kg. For erection without crane	€ 1090,-
4000-10-30	Montana: Gin pole (6 - 9m), wire rope 25m and manual winch of 1600 kg. For erection without crane ((12-18m)	€ 1.375,-
10 -10 - 40	Alizé: Gin pole (15m), wire rope 30m and manual winch of 3200 kg. For erection without crane	€ 5.017,-
14510-50	Optional: motorized hoists for easy tilted up & down of tower due to extremely wind conditions (hurricanes)	On request
FWD-24-420	Windepot Energy Storage 10kWh - 24VDC	€ 3.800,-
FWD-48-210	Windepot Energy Storage 10kWh - 48VDC	€ 4.100,-
FWD-48-420	Windepot Energy Storage 20kWh - 48VDC	€ 6.900,-
BT01 – NL *	Basic training Fortis Wind Turbines in The Netherlands, incl. Teachware. Time table 2 days, including accommodation	€ 1.000,-
BT 01- WW *	Basic training Fortis Wind Turbines abroad, incl. Teachware. Time table 2 days, excluding, travel time, transport, accommodation costs	€ 1.000,-
IET-01- NL *	Intensive and expert training in The Netherlands, incl. Teachware. Time table and content on request.	On request
SP-FE- *	Super Vision by Fortis Engineer for local installation	On request
*	Articles with extension *	Net prices