

# Retail Price List

Effective 08-13-10. All Prices are Subject to Change Without Notice.

## Wind Turbines

### Battery Charging Models

			Model No.	Price
<b>1 kW</b>	<b>24VDC</b>	<b>BWC XL.1</b> turbine, includes <b>PowerCenter</b> charge controller with built in 30A solar regulator	BWC XL.1	<b>\$3,170</b>
<b>7.5 kW</b>	<b>48 VDC</b>	<b>BWC Excel-R</b> turbine, Includes <b>VCS-10/48</b> Charge Controller and Step-Down Transformer. 48VDC output	BWC Excel-R/48	<b>\$26,870</b>
	<b>120 VDC</b>	<b>BWC Excel-R</b> turbine, Includes <b>VCS-10</b> Charge Controller. 120 or 240VDC output	BWC Excel-R/120	<b>\$25,770</b>
	<b>240 VDC</b>		BWC Excel-R/240	<b>\$25,770</b>

### Grid-Intertie Models

			Model No.	Price
<b>10 kW</b>	<b>240 VAC, 60 Hz</b>	Single-Phase, Includes <b>GridTek 10</b> Inverter	BWC Excel-S/60	<b>\$31,770</b>
	<b>220 VAC, 50 Hz</b>	Single-Phase, Includes <b>GridTek 10</b> Inverter	BWC Excel-S/50	<b>\$31,770</b>

### Options

		Model No.	Price
<b>XL.1</b>	<b>Enhanced Turbine Corrosion Protection</b> , for marine sites	ECP/XL.1	<b>\$390</b>
	<b>60A Diversion Load</b> , optional dump load for PowerCenter controller	XL.1/DL	<b>\$350</b>
	<b>DC Source Center</b> (MiniDC by Midnite Solar, includes inverter breaker)	XL.1/MDC	<b>\$235</b>
<b>7.5 kW &amp; 10 kW</b>	<b>Special Paint</b> , complete turbine except tail boom (e.g., light gray)	SPS	<b>\$690</b>
	<b>Black Blades</b> , better performance under icing conditions	BLK	<b>No Charge</b>
	<b>Enhanced Turbine Corrosion Protection</b> , now standard	N.A.	<b>No Charge</b>
	<b>DC Power Center</b> , 9-circuit fused DC bus for all system inputs and outputs	VPC-9	<b>\$850</b>
	<b>Cumulative Energy Production Meter with Base</b> , for 10kW Excel-S	CEP	<b>\$209</b>
	<b>Export Crating</b> , for wind turbine (tail boom not crated)	Crate	<b>\$975</b>
	<b>Transformer</b> , for connecting 10kW to 480V or 208V service	Xfmr	<b>request</b>

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### Towers

#### Standard Guyed Towers

		Model No.	Price
<b>7.5 kW &amp; 10 kW</b>	<b>18m (60 ft)</b>	XLG18	<b>\$10,350</b>
	<b>24m (80 ft)</b>	XLG24	<b>\$11,525</b>
	<b>30m (100 ft)</b>	XLG30	<b>\$14,145</b>
	<b>37m (120 ft)</b>	XLG37	<b>\$17,965</b>
	<b>42m (140 ft)</b>	XLG42	<b>\$20,385</b>
	<b>Safety Climb</b>	XLGPK	<b>request</b>

Tower kits include Bergey galvanized 3m (10 ft) lattice type tower sections and associated hardware, guy anchors, guy wires and associated hardware, furling cable and furling winch mounting hardware, special tower grounding hardware, and ground rods. Tower wiring is not included.

Anti-fall system includes down-tower safety cable and cammed slider. Does not include climber's belt / harness.

#### Tilt-Up Guyed Towers

		Model No.	Price
<b>XL.1</b>	<b>18m (60 ft)</b>	1TU18	<b>\$2,165</b>
	<b>24m (80 ft)</b>	1TU24	<b>\$2,660</b>
	<b>30m (100 ft)</b>	1TU30	<b>\$3,130</b>
	<b>Raising Kit</b>	1TRK	<b>N/A</b>
<b>7.5 kW &amp; 10 kW</b>	<b>18m (60 ft)</b>	XLGT18	<b>\$13,925</b>
	<b>24m (80 ft)</b>	XLGT24	<b>\$15,965</b>
	<b>30m (100 ft)</b>	XLGT30	<b>\$17,385</b>
	<b>GripHoist Kits</b>	XLGHK-60/80	<b>\$3,385</b>
	<b>Raising Kit</b>	XLTRK	<b>\$1,990</b>

Tower kits included 3m (10ft) tubular tower sections and associated hardware, guy anchors, guy wires and associated hardware, and grounding rod/hardware. Electrical wiring not included

Kit to manually lift XL.1 without power winch includes worm gear winch, cable, snatchblock, and attachment hardware

Tower kits include Bergey galvanized 6m (20 ft) lattice type tower sections and associated hardware, guy anchors, guy wires and associated hardware, furling cable and furling winch mounting hardware, jack stand, special tower grounding hardware, and ground rods. Tower wiring is not included.

Kit to manually lift Excel tower without power winch includes GripHoist lifting device, GripHoist cable, snatchblock, and attachment hardware. The XLGHK-60/80 is for 60 ft. and 80 ft. towers, the -100 is required for 100 ft. towers.

5:1 pulley blocks and cable set for raising tower with power winch (winch not included)

#### Self-Supporting Towers

		Model No.	Price
<b>7.5 kW &amp; 10kW</b>	<b>18m (60 ft)</b>	XLSS18	<b>\$10,750</b>
	<b>24m (80 ft)</b>	XLSS24	<b>\$13,225</b>
	<b>30m (100 ft)</b>	XLSS30	<b>\$16,795</b>
	<b>37m (120 ft)</b>	XLSS37	<b>\$21,145</b>
	<b>42m (140 ft)</b>	XLSS42	<b>\$26,965</b>
	<b>49m (160 ft)</b>		<b>\$32,875</b>
	<b>18m (60 ft)</b>	XLMP18	<b>\$26,000</b>
	<b>27m (90 ft)</b>	XLMP27	<b>\$36,000</b>
	<b>37m (120 ft)</b>	XLMP37	<b>\$53,000</b>
	<b>Safety Climb</b>	XLSC	included

Tower kits include Rohn galvanized 6m (20 ft) lattice type tower sections and associated hardware, J-bolt anchors, furling cable and furling winch mounting hardware, special tower grounding hardware, and ground rods. Tower wiring is not included.

Tapered MONOPOLE type tower includes hardware as above. Monopole towers do not include engineered foundations. Engineering services for custom foundations are available at an additional cost, please contact BWC for details.

Anti-fall system includes down-tower safety cable and cammed slider. Does not include climber's belt / harness.

#### Options

		Model No.	Price
<b>7.5 kW &amp; 10 kW</b>	<b>Enhanced Tower Corrosion Protection</b> , for marine sites	XLECPT	<b>\$215</b>
	<b>Special Anchoring Schemes</b>	SAS	<b>Request</b>
	<b>Special Tower Adapters</b> , for non-standard towers	Special	<b>Request</b>
	<b>Tower Fabrication License</b> , drawings, parts list and one-time license for local fabrication, Standard Guyed Towers only, export orders only	TFL	<b>Request</b>
	<b>Export Crating</b> , for tower hardware kit (tower sections not normally crated)	Crate	<b>Request</b>

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### Misc. Electrical Equipment

#### Tower Wiring Kits

		Model No.	Price
<b>10 kW</b>	18m (60 ft)	XTWK18	<b>\$1,375</b>
	24m (80 ft)	XTWK24	<b>\$1,495</b>
	30m (100 ft)	XTWK30	<b>\$1,615</b>
	37m (120 ft)	XTWK37	<b>\$1,730</b>
	42m (140 ft)	XTWK42	<b>\$1,850</b>
		Tower Wiring Kits include a fused disconnect switch, lightning surge arrester, armored tower cable and connectors. Kits for pumping systems are supplied with non-fused disconnect switches. Specify turbine voltage or model when ordering.	

#### Magnum Energy DC-AC Inverters

		Model No.	Price
<b>Modified Sine Wave</b>	1.5kW, 120V, 60Hz	MM1524AE	<b>\$1,175</b>
	1.8kW, 120V, 60Hz	RD1824	<b>\$1,418</b>
	2.8kW, 120V, 60Hz	RD2824	<b>\$2,010</b>
	3.9kW, 120V, 60Hz	RD3924	<b>\$2,174</b>
<b>Pure Sine Wave</b>	4.0kW, 240V, 60Hz	MS4024AE	<b>\$3,236</b>
	4.4kW, 240V, 60Hz	MS4448AE	<b>\$2,965</b>
<b>Options</b>		Generator start modules, battery monitors, conduit adapters, etc	<b>Request</b>
		Modified sine-wave inverters for 24VDC systems. Includes 3-stage battery charger (requires back-up generator or utility grid) and automatic AC transfer relay. Modified sine-wave may cause minor problems with some appliances and noise in some transformers or ballasts.	
		Pure sine wave inverters for 24V and 48V systems. Includes 3-stage battery charger, transfer relay, and 240VAC output	

#### Outback Power Systems DC-AC Inverters

		Model No.	Price
<b>Pure Sine Wave Off-Grid</b>	2.5 kW, 120V, 60 hz	FX2524T	<b>\$2,986</b>
	3.0 kW, 120V, 60 hz	FX3048T	<b>\$2,986</b>
	3.5 kW, 120V, 60 hz	VFX3524	<b>\$3,226</b>
	3.6 kW, 120V, 60 hz	VFX3648	<b>\$3,226</b>
<b>Pure Sine Wave On-Grid</b>	2.5 kW, 120V, 60 hz	GTFX2524	<b>\$3,338</b>
	3.0 kW, 120V, 60 hz	GTFX3048	<b>\$3,338</b>
	3.5 kW, 120V, 60 hz	GVFX3524	<b>\$3,338</b>
	3.6 kW, 120V, 60 hz	GVFX3648	<b>\$3,338</b>
<b>Options</b>		Generator start modules, battery monitors, conduit adapters, etc	<b>Request</b>
		Outback off-grid and on-grid, 1-phase inverters. Includes 3-stage battery charger (requires back-up generator or utility grid), and automatic AC transfer relay. On-grid sine-wave inverters can be connected to utility lines and will synchronize with the utility for net-metering applications. Outputs of 230VAC, 50Hz and 230VAC, 60hz are also available. Multiple 60hz units can be stacked to provide increased output at 240VAC.	

## **Retail Price List**

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### **Misc. Items of interest**

#### **Product Literature, Manuals, and Publications**

			Model No.	Price
<b>XL.1</b>	<b>Specification Sheet</b>	Basic sales literature for the XL.1 turbine. Size, weight, output, power curve and anticipated energy production	XL.1SPEC	<b>\$.50 / each</b>
	<b>Owners Manual</b>	Details regarding XL.1 turbine and controls. Includes specifics on wire sizes, assembly, troubleshooting, etc.	XL.1OM	<b>\$8</b>
	<b>Installation Manual</b>	Details regarding XL.1 turbine and tower installation. Includes specifics on layout, assembly, erection, anchoring, etc.	XL.1IM	<b>\$8</b>
<b>7.5kW &amp; 10kW</b>	<b>Specification Sheet</b>	Basic sales literature for the Excel Turbine. Size, weight, output, power curve, anticipated energy production, and additional specs regarding controls on back of sheet	XLSPEC	<b>\$.10 / each</b>
	<b>GridTek 10 Spec</b>	Sales literature for the GridTek 10 Utility Intertie Inverter. Includes data regarding output, compliances, dimensions, etc.	GT10SPEC	<b>\$.20 / each</b>
	<b>Owners Manual-S</b>	Details the utility-intertied version of the BWC Excel. Includes wire sizes, assembly, exploded-view drawing / parts list, and complete GridTek-10 manual as a separate section	XL-SOM	<b>\$10</b>
	<b>Owners Manual-R</b>	Details the battery-charging version of the BWC Excel. Includes wire sizes, assembly, exploded-view drawing / parts list, and specifics on Opticharge 10 Regulator	XL-ROM	<b>\$10</b>
	<b>Guyed Lattice Tower Installation Manual</b>	Details regarding guyed lattice tower installation for BWC Excel. Includes specifics on layout, assembly, erection, anchoring, etc.	XLGLIM	<b>\$10</b>
	<b>Self-Supporting Tower Installation Manual</b>	Details regarding self-supporting lattice tower for BWC Excel. Includes specifics on foundation, layout, and assembly of tower.	XLSSVIM	<b>\$10</b>
<b>Misc.</b>	<b>Windpower for Home and Business</b>	By Paul Gipe. This book is the definitive text on small wind energy. Great reference material for sizing systems, estimating output, turbine and tower safety,	GipeBook1	<b>\$50</b>
	<b>Wind Energy Basics</b>	By Paul Gipe. This book contains a basic introduction to small wind turbines and includes a section on raising your own tilt up tower kit	GipeBook2	<b>\$25</b>
	<b>Bergey Logo Banner</b>	2ft. X 3ft. grommeted white vinyl banner with Bergey Logo--great for trade shows	BWC Banner	<b>\$80</b>