



How to order a PowerSpout

Please follow this simple process to avoid frustration or disappointment.

1. Select a dealer to work with
<http://www.powerspout.com/dealers/>
2. Submit complete site data to your dealer
<http://www.powerspout.com/advanced-calculator/>
3. Pay promptly
4. Enjoy using low impact renewable energy
5. Send us your feedback and an install picture

Global PowerSpout Dealer network

All global dealers are listed on our website at <http://www.powerspout.com/dealers/>. Ecolnnovation, the manufacturer of PowerSpout, will **only** be your dealer if you cannot find anyone serving your region.

When you are ready to purchase a PowerSpout, you must share your site data with your selected dealer. There is a "Save and Share" function at the end of the Advanced Calculator to allow you to do this easily. No hydro turbine orders will be accepted until all site data is supplied.

Please note:

- Dealers want to help you find an appropriate solution, but they have other customers too.
- All dealers should all offer the same retail price for PowerSpout, although price differences may lie in other 'system' components.
- There is benefit from using your closest dealer to facilitate support (advice, installation, maintenance, replacements etc).
- Negotiating with several dealers at once is unlikely to achieve a cost reduction but will take up lots of time and energy (buyer/dealer).
- Ecolnnovation encourages mutual respect and honest transactions as part of a more open and sustainable world

Site Data

In order to assess your hydro site potential you can either:

- Visit our web site www.powerspout.com and complete the Advanced Calculator <http://www.powerspout.com/advanced-calculator/> and email it to your dealer, or
- Complete the table below so your dealer can advise you the best solution to meet your needs.

It is always helpful if you can advise how much power you are likely to need at your site in kWhrs/day, as your hydro resource may be able to generate more or less than is required.

Hydro site data required for product manufacture

		Units
Head at site (vertical drop/fall of pipe)		m or ft
Pipe length required to get fall		m or ft
Pipe inside diameter if installed		mm or inch
Do you want us to advise your pipe size?	Yes / No	-
Flow available at intake		l/sec or gal/min
What is the cable length from turbine to batteries		m or ft
If cable is installed what size is it		mm ² or sq inches
Do you want us to advise cable size?	Yes / No	-
For BE and ME version state your battery voltage	12/24/48	Volts
For ME version state the make and model of MPPT controller you intend to use		
For GE version state the make and model of grid-tie inverter you intend to use		

Your turbine will be designed for the site data you supply above. If you operate it on a different site, the output power will differ and not necessarily match the prediction of the advanced calculator. A new generator core may be required to obtain the best results in such cases. If you intend to run your turbine over a wide range of flow rates, you need to state this at the time of ordering. A different additional generator core can be supplied for an additional charge.

Product range

All product information is available on our web site. Please refer to the online manuals for detailed product information. An overview is provided in the table below.

PowerSpout Version	Description	Cable length (m) approx.	Features
BE	Battery Enabled	0 - 250	Connected directly to a 12/24/48 VDC battery bank with a diversion load controller for system regulation.
ME 100	MPPT Enabled	50 - 750	Designed for inverters and MPPT regulators operating at less than 100 V DC or for the Latronic grid-tied inverters (made in Australia).
ME 120	MPPT Enabled	50 - 1000	Connected to a battery bank through a MPPT controller such as the Outback FM60. Designed for inverters and MPPT regulators operating at less than 120 V DC
ME 140	MPPT Enabled	50 - 1500	Connected to a battery bank through a MPPT controller such as the Outback FM60. Designed for inverters and MPPT regulators operating at less than 140 V DC.
ME 250	MPPT Enabled	50 - 2000	Connected to a battery bank through a MPPT controller such as the Midnite Classic 250. Designed for inverters and MPPT regulators operating at less than 250 V DC.
GE 400	Grid Enabled	0 - 2000	Connected to a grid tied inverter to feed power into the national grid or for use in mini grids via Sunny Island type inverters. Designed for inverters operating at less than 400 V DC.
HE (NZ only)	High-voltage Enabled	500 - 2000	Connected directly to a battery bank via three step-down transformers with a diversion load controller for system regulation.

Important notes

Global freight is included in the turbine price.

Freight charges on other items can sometimes be avoided if ordered at the same time as the turbine.

Your dealer will advise you of any taxes or duties that apply in your country. If buying direct from EcolInnovation note that the price charged excludes any import duty and taxes that the purchaser will have to pay on entry into their country. To determine what this tax/duty may be contact your own customs for advice. Please note some countries exempt renewable energy products from GST/VAT and import duty, but many do not.

www.powerspout.com