

Low-Voltage Water Heating Elements



Price: CAD \$59.99 - CAD \$699.00

SKU: MOWATER-HEATER

Product Categories: [Appliances](#), [Shop](#)

Product Tags: [12v](#), [24V](#), [48v](#), [canada](#), [diversion load](#), [dump load](#), [low-voltage](#), [water heater element](#), [water heating element](#)

Product Page:

<https://www.modernoutpost.com/product/low-voltage-water-heating-elements/>

Product Variants

- Low-Voltage Water Heating Elements - 12/24VDC Heater ()
- Low-Voltage Water Heating Elements - 12/24/48VDC Heater ()
- Low-Voltage Water Heating Elements - Square Flange Adaptor ()

Product Summary

These low-voltage water heating elements are used as diversion loads for wind or hydroelectric systems. Use one or more of these heating elements with a charge controller designed for load diversion to turn your excess power into hot water.

Product Description

These low-voltage water heating elements are used as diversion loads for wind or hydroelectric systems. Use one or more of these heating elements with a charge controller designed for load diversion to turn your excess power into hot water. These models fit most electric water heaters with screw-in elements. One model is available for 12 and 24 VDC systems and another for higher power 24 and 48 VDC systems. Each unit has two elements that can be wired in series, parallel, or used individually, depending on voltage and desired current draw. See table below to determine what each element will draw at various charging voltages. These elements have 1" NPT male pipe threads and are covered by a 2-year warranty. If your water heater tank is designed for square flange elements, use one square flange adapter for each element.

Low-Voltage Water Heating Elements								
Regulation voltage		14 V			28 V		56 V	
Model	Wiring	Ohms	Amps	Watts	Amps	Watts	Amps	Watts
12/24 VDC	series	0.96 Ω	14.6 A	204 W	29.2 A	817 W	--	--
	single	0.48 Ω	29.2 A	408 W	--	--	--	--
	parallel	0.24 Ω	58.3 A	817 W	--	--	--	--
12/24/48 VDC	series	2.48 Ω	5.6 A	79 W	11.3 A	316 W	22.6 A	1,265 W
	single	1.24 Ω	11.3 A	158 W	22.6 A	632 W	--	--
	parallel	0.62 Ω	22.6 A	316 W	45.2 A	1,265 W	--	--

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: 1.9 kg
- Model: 12/24VDC Heater, 12/24/48VDC Heater, Square Flange Adaptor

Product Gallery



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