

DC Load Dump

Water Heating Element [RGX-E15]

An off-grid wind or hydro turbine needs to be properly regulated to avoid overcharging of the lead-acid batteries. Voltage regulation is typically achieved by either stopping the wind turbine or by diverting (*dumping*) the power into a resistive load (*heater*).

Our Water Heating Element [RGX-E15] used as a resistive load has the following characteristics:

Water Heating Element Values	Nominal System Voltage		
	12V	24V	48V
Typical Volts (Maximum)	13.6V (15V)	27V (30V)	NOT SUITABLE FOR 48V*
Single (1.5 Ω)	9A (10A)	18A (20A)	
2 Parallel (0.75 Ω)	18A (20A)	36A (40A)	
2 Series (3 Ω)	Do Not Use	9A (10A)	

*Use Heating Element [RGX-E16] for 48V systems.



With 2" BSP Thread



RAINBOW POWER COMPANY LTD

Designers and Installers of Solar Systems since 1987

1 Alternative Way (PO Box 20240)

tel: (02) 6689 1430

international: +61 2 6689 1088

email: sales@rpc.com.au

A.B.N. 74 003 323 420

Nimbin NSW 2480 Australia

fax: (02) 6689 1109

international: +61 2 6689 1109

website: www.rpc.com.au

Lic:198555C (NSW). 69172 (Qld)