



Turbine pelton 2500 watts

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Based on vast field experience, GE offers vertical shaft machines equipped with multi-jet collectors for an output up to ~350 MW and with runner diameters up to 4m.

We provide horizontal shaft single or double runner Pelton turbines with one or two jets. These turbines operate economically with the lowest discharges.

GE-patented Hooped Pelton runners design, with buckets supported by two separate hoops, minimizes stress at bucket fixation, reducing inspection and maintenance costs, and increasing plant availability.

High Velocity Oxy Fuel hard coating technology is well-suited to Pelton runners. The coating is mechanically sprayed onto all surface areas to reduce abrasion and fatigue. The application technique creates a high-density coating with strong bonding capabilities.

GE analyzes flow dynamics to adjust the turbine configuration in areas that are prone to erosion with the help of digital simulation tools that predict the effects of silt abrasion on turbine performance.

Want to get the most out of your hydropower assets? Reach out to GE's team to start the conversation.

Ji Sha (China) 20052 x 61.5 MW Hooped Runner Head: 485 m

Da? Ninh (Vietnam) 20072 x 153 MW Head: 627 m

Vishnupravag (India) 20064 x 103 MW Head: 914 m

Yele (China) 20002 x 122.5 MW Head: 580 m

You have submitted the request successfully!

The Pelton is an impulse type water turbine invented by Lester Allan Pelton in the 1870s. Peltons are the preferred turbine for hydro-power where the available water source has relatively high head at low flow rates.

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