

PowerSpout Hydro Generators - Specifications



	BE Models	GE Models	ME Models
Dimensions	18.5 x 15.7 x 17 inches (470 x 400 x 430 mm)		
Output power	up to 1200 Watts/turbine (1000W normal max)		
Modular installations	up to 16kW with multiple turbines		
Pelton turbine	1-2 jets		
Generator	10.5 in (270mm) Smart Drive Permanent Magnet Generator (PMG) 3 phase		
Rectification	100 amp water cooled rectifier on DC output version		
Generator efficiency	70% and up to 80% in ideal conditions		
Pelton rotor	9 inch (230mm) PCD made from 33% glass filled Nylon with 20 x M5 stainless steel fixings		
Pelton rotor efficiency	>70% up to 80% in ideal conditions		
Casing	LDPE plastic case 6mm thick		
Shaft	1 inch (25mm) stainless steel		
Front Bearing	6205 (52x25x15mm)		
Rear bearing	6005 (47x25x12mm)		
Warranty	3 years extendable to 10 years		
Static head range	10 – 430 feet (3 to 130m)		
Dynamic head range	10 – 330 feet (3 to 100m)		
Maximum flow/turbine	130 – 160 gpm (8-10l/s)		
Minimum flow/turbine	0.8 gpm (0.05l/s) (special reduced core Smart Drive needed)		
Voltages	BE - 12/24/48/110 VDC	GE - 100-400 VDC grid-tie inverter compatible	ME - 100/120/140/250 VDC for MPPT regulators
Weight packed	56 pounds (25kg)		
Net Weight	51 pounds (23kg)		



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