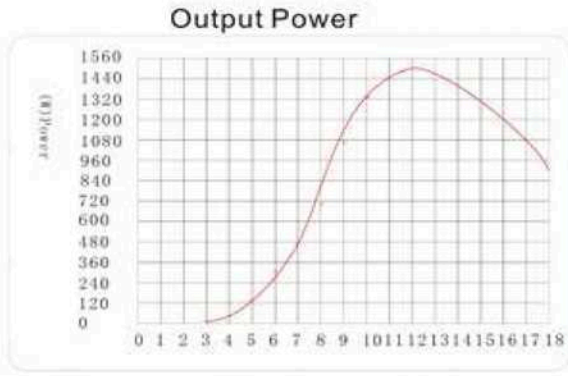




EF 1KW FD 2.8 - 1.0 SUPERIOR WIND TURBINES

FD2.8-1.0



CONFIGURATION	
Model	EF1KW 2.8-1.0
Design life	20 years
Generator weight (kg)	25

DRIVE & BRAKE	
Gearbox	None
Generator	Direct drive, permanent magnet
Blades	3pcs - fiberglass, reinforced plastics
Rotor diameter (m)	2,8
Speed regulation	Mechanical yawning + electromagnetic brake
Rated output (vdc)	48 / 120
Rated output (vac) inverter	220

PERFORMANCE	
Rated power (w)	1000 3 phase AC
Maximum power (w)	1500
Rated wind speed (m/s)	8
Cutin wind speed (m/s)	3
Working wind speed (m/s)	3 - 20
Cutoff wind speed (m/s)	40
Rated rotation speed (m/s)	500
Estimate annual generation (kwh)	1500 - 3000

SUGGESTED	
Inverter	Puresine wave
Tower weight (kg)	68
Tower height (m)	8
Battery	4x12V200AH

FD1KW 2.8 - 1.0 has a startup torque of 1,5 NM, has 4 magnetic poles with rated voltage of 48 VAC or 120 VAC. Shaft is steel, magnets are of superior NdFeB. Generator is only 27kg and performs 80% efficiency. Lifetime is 20 years, with a warranty of 2 years.