

REYAH - H50



Taqetna's 30V - 50KW REYAH is a medium scale onshore wind turbine that is designed open the door for medium scale wind industry around the globe. With 9-meter-long blades and the industry's tallest standard steel tower for 50KW systems, the 30V - 50KW REYAH stretches nearly 40-meters into the air.



OPERATING DATA

Wind class:
IEC III A / IEC S



ROTOR

Rotor diameter:
17.6m



GENERATOR

Voltage: 380V/440V
Frequency – 50/60Hz
Type: A permanent magnet synchronous generator



TOWER

Hub heights:
30m



BLADE

Material:
Reinforced
Fiberglass

Technical Specifications

Model	Reyah 50	Generator and Magnet	Three phase permanent magnet ac synchronous generator- NdFeB
Rated power	50KW	Generator case	Carbon steel
Max power	55KW	Control system	Electromagnet/wind wheel
Rated Voltage	380V/440V	Speed regulation	Electronically controlled
Frequency	50Hz	Tower height (m)	Monopole Tower 30 m
Start-up wind speed	3 m/s	Rated Rotation Speed	60 rpm
Rated wind speed	10 m/s	Design Lifetime	20 Years
Survival wind speed	50 m/s	Number of blades	3 blades
Top net weight	3700 kg	Blades material	Reinforced composite fiberglass
Wheel diameter	17.6 m		

Wind Speed/Power Curve

