



MIKO ENERGY



VERTICAL WIND TURBINE

**Residential Series
FS / Tulip & Rose Type**

TULIP

Vertical Wind Turbine

600 - 2000 W



FS

Vertical Wind Turbine

200 - 2000 W



ROSE

Vertical Wind Turbine

600 - 2000 W



FS WIND TURBINE | TECHNICAL SPECS

MODEL	FS-200	FS-600	FS-1000	FS-2000
Startup Wind Speed	1.3 m/s	1.3 m/s	1.5 m/s	1.5 m/s
Cut-in Wind Speed (m/s)	2.5 m/s	2.5 m/s	3 m/s	3 m/s
Nominal Wind Speed (m/s)	12 m/s	11 m/s	11 m/s	11 m/s
Nominal Voltage (AC)	12V-24V	12V-48V	24V-96V	24V-96V
Nominal Power (W)	200W	600W	1000W	2000W
Max. Power (W)	250W	650W	1050W	2050W
Rotor Diameter (m)	0.52 m	0.52 m	0.67 m	0.8 m
Total Assembled Weight (kg)	<19 kg	<23 kg	<38 kg	<89 kg
Blade Length (cm/m)	1.05 m	1.3 m	1.5 m	2 m
Safety Wind Speed (m/s)	≤40 m/s			
Number of Blades	2			
Blade Material	Nylon / Fiberglass			
Generator	Three-phase permanent magnet suspended generator			
Control System	Electromagnet			
Installation Height (m)	7~12m(9m)			
Generator Protection Rating	IP54			
Operating Temperature	-25°C~+45°C			
Operating Humidity	≤90%			
Altitude	<4500 m			
Overspeed Protection	Electromagnetic brake			
Overload Protection	Electromagnetic brake and unloading device			

TULIP WIND TURBINE | TECHNICAL SPECS

MODEL	Tulip-600	Tulip-1000	Tulip-2000
Startup Wind Speed	1.2 m/s	1.3 m/s	1.8 m/s
Cut-in Wind Speed (m/s)	2 m/s	3.5 m/s	3.5 m/s
Nominal Wind Speed (m/s)	11 m/s	12 m/s	12 m/s
Nominal Voltage (AC)	12V-24V	12V-24V	24V-48V
Nominal Power (W)	600W	1000W	2000W
Max. Power (W)	650W	1050W	2050W
Rotor Diameter (m)	0.3 m	0.52 m	1 m
Total Assembled Weight (kg)	20 kg	22 kg	120 kg
Blade Length (cm/m)	0.68 m	1.1 m	1.7m
Safety Wind Speed (m/s)	≤40 m/s		
Number of Blades	2		
Blade Material	Fiberglass		
Generator	Three-phase permanent magnet suspended generator		
Control System	Electromagnet		
Installation Height (m)	7~12m(9m)		
Generator Protection Rating	IP54		
Operating Temperature	-25°C~+45°C		
Operating Humidity	≤90%		
Altitude	<4500 m		
Overspeed Protection	Electromagnetic brake		
Overload Protection	Electromagnetic brake and unloading device		

TECHNICAL SPECS

MODEL	Rose-600	Rose-1000
Startup Wind Speed	1.3 m/s	1.3 m/s
Cut-in Wind Speed (m/s)	2.5 m/s	2.5 m/s
Nominal Wind Speed (m/s)	12 m/s	12 m/s
Nominal Voltage (AC)	12V-24V	12V-24V
Nominal Power (W)	600W	1000W
Max. Power (W)	650W	1050W
Rotor Diameter (m)	0.42 m	0.53 m
Total Assembled Weight (kg)	8kg	25 kg
Blade Length (cm/m)	0.65 m	1.3 m
Safety Wind Speed (m/s)	≤40 m/s	
Number of Blades	2/3	
Blade Material	Fiberglass	
Generator	Three-phase permanent magnet suspended generator	
Control System	Electromagnet	
Installation Height (m)	7~12m(9m)	
Generator Protection Rating	IP54	
Operating Temperature	-25°C~+45°C	
Operating Humidity	≤90%	
Altitude	<4500 m	
Overspeed Protection	Electromagnetic brake	
Overload Protection	Electromagnetic brake and unloading device	



Home use



Telecom base station



Farms



Recreational Vehicle



Yacht



Street lighting and surveillance

RELIABLE CAPABILITY

- High efficiency at low wind speeds of 2.5 m/s
- Suitable for all applications
- Service life up to 20 years with quality assurance
- ISO certified

FLEXIBLE USE

- Wide power and voltage range
- Can be used in hybrid systems with solar

ATTRACTIVE DESIGN

- Modern look and stable operation
- IP54-rated smooth curved Fiberglass blades with multiple color options

ADVANCED TECHNOLOGY

- Sustainable energy production
- Protecting the environment worldwide
- Coreless PMG with low rotational speed