



**MIKO ENERGY**



**FK**

**Horizontal Wind Tubrine**

**1000 W - 20 kW**



# TECHNICAL SPECS

MODEL	FK-1000	FK-2000	FK-3000	FK-5000	FK-8K	FK-10K	FK-15K	FK-20K
Nominal Power (W)	1000W	2000W	3000W	5000W	8000W	10KW	15KW	20KW
Max. Power (W)	1500W	2500W	3500W	5500W	8100W	12KW	16KW	25KW
Rotor Blade Diameter (m)	2.8 m	3.2 m	3.9 m	4.8 m	5.4 m	5.6 m	6.25 m	8 m
Blade Length (m)	1.4 m	1.6 m	1.6 m	1.9 m	2.4 m	2.4 m	2.8 m	3.5 m
Nominal Voltage (AC)	24V-96V	48V-220V	48V-220V	96V-380V	96V-380V	96V-380V	96V-380V	96V-380V
Startup Wind Speed (m/s)	3 m/s	3 m/s	4m/s	4m/s	4m/s	4m/s	4m/s	4m/s
Nominal Wind Speed (m/s)	10 m/s	10 m/s	12 m/s					
Total Assembled Weight (kg)	52 kg	60 kg	102 kg	260 kg	350 kg	380 kg	582 kg	850 kg
Number of Blades	3							
Blade Material	Fiberglass							
Generator	Three-phase permanent magnet suspended generator							
Magnet Material	Rare-earth permanent magnet NdFeB (Neodymium-Iron-Boron)							
Generator Housing	Cast aluminum alloy							
Control System	Electromagnetic							
Overspeed Protection	Electromagnetic brake							
Operating Temperature								
Overload Protection	Electromagnetic brake and unloading device							
Safety Wind Speed (m/s)	<40 m/s							
Operating Humidity	<90%							
Altitude	<4500 m							



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