



SDC

ENERGY SECTOR

“

Our main products include complete vertical and horizontal wind turbine systems from 2000W, 5000W, 10,000W solar panels, and wind-solar hybrid systems for all types of projects. We also offer energy storage systems, such as UPS, for off-grid applications.

”



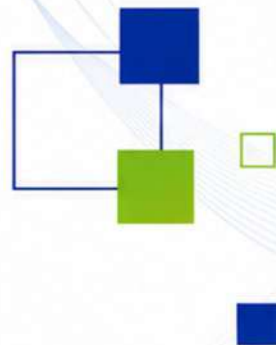
We provide a one-stop service for renewable energy, including wind turbines, controllers, off-grid systems, energy storage, and more.



SDC I Networkz Private Limited
33/1, Wallajah Road, Chepauk,
Chennai, Tamil Nadu. 600 002



Phone:
+91 44 28545757



Wind Turbine Series



FH 2K



FH 5K



FH 10K

Description	FH- 2K	FH- 5K	FH- 10K
 Pole Height	6 m	6-9 m	9-12 m
 Pole Thickness	5 mm	8 mm	10 mm
 Pole Basement Foundation	1.5m*1.5m	1.8m*1.8m	2.2m*2.2m
 Minimum Wind Speed	4-6 m/s	4-6 m/s	4-6 m/s
 Maximum Wind Speed	12-13 m/s	12-13 m/s	12-13 m/s





Average Wind Speed	2 kW (Units/Month)	5 kW (Units/Month)	10 kW (Units/Month)
 3 m/s	36 Units	87 Units	174 Units
 4 m/s	84 Units	210 Units	420 Units
 5 m/s	162 Units	408 Units	813 Units
 6 m/s	282 Units	705 Units	1,404 Units
 7 m/s	447 Units	1,116 Units	2,232 Units
 8 m/s	666 Units	1,662 Units	3,327 Units
 9 m/s	951 Units	2,376 Units	4,752 Units
 10 m/s	1,296 Units	3,240 Units	6,480 Units
 11 m/s	1,440 Units	3,600 Units	7,200 Units
 12 m/s	1,440 Units	3,600 Units	7,200 Units

Monthly Energy Output at Different Average Wind Speeds (m/s)

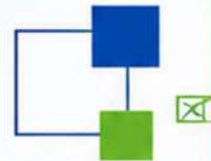


APPLICATIONS



SPECIFICATIONS

Model	FH-2000	FH-5000	FH-10K
Start-up Wind Speed (m/s)	2m/s	2m/s	2m/s
Cut-in Wind Speed (m/s)	3.5m/s	3.5m/s	4m/s
Rated Wind Speed (m/s)	11m/s	11m/s	12m/s
Rated Voltage (AC)	48V-96V	96V-360V	20V-440V
Rated Power (W)	2000W	5000W	10KW
Max Power (W)	2200W	5500W	11KW
Rotor Diameter (m)	2m	3m	4.0m
Product Net Weight (kg)	120kg	330kg	550kg
Blade Height (m)	2.8m	4.5m	6.0m
Blade Color	White / Multicolor		White
Safe Wind Speed (m/s)	< 55m/s		
Blade Quantity	3 (Can be increased)		
Blade Material	Aviation Aluminum Alloy		
Generator	Three-phase AC Permanent Magnet Generator		
Control System	Electromagnetic		
Tower Height (m)	6~20m (12m)		
Generator Protection Rating	IP54		
Operating Ambient Temperature	-40~+80°C		
Operating Ambient Humidity	< 90%		
Altitude	≤4500m		
Overspeed Protection	Electromagnetic Brake		
Overcurrent Protection	Electromagnetic Brake and Dump Load		



Vertical Wind Turbine

Vertical Axis Wind Turbine

APPLICATIONS



Home



Telecom Base
Station



Farm



RV



Boat



Street Light,
Monitoring



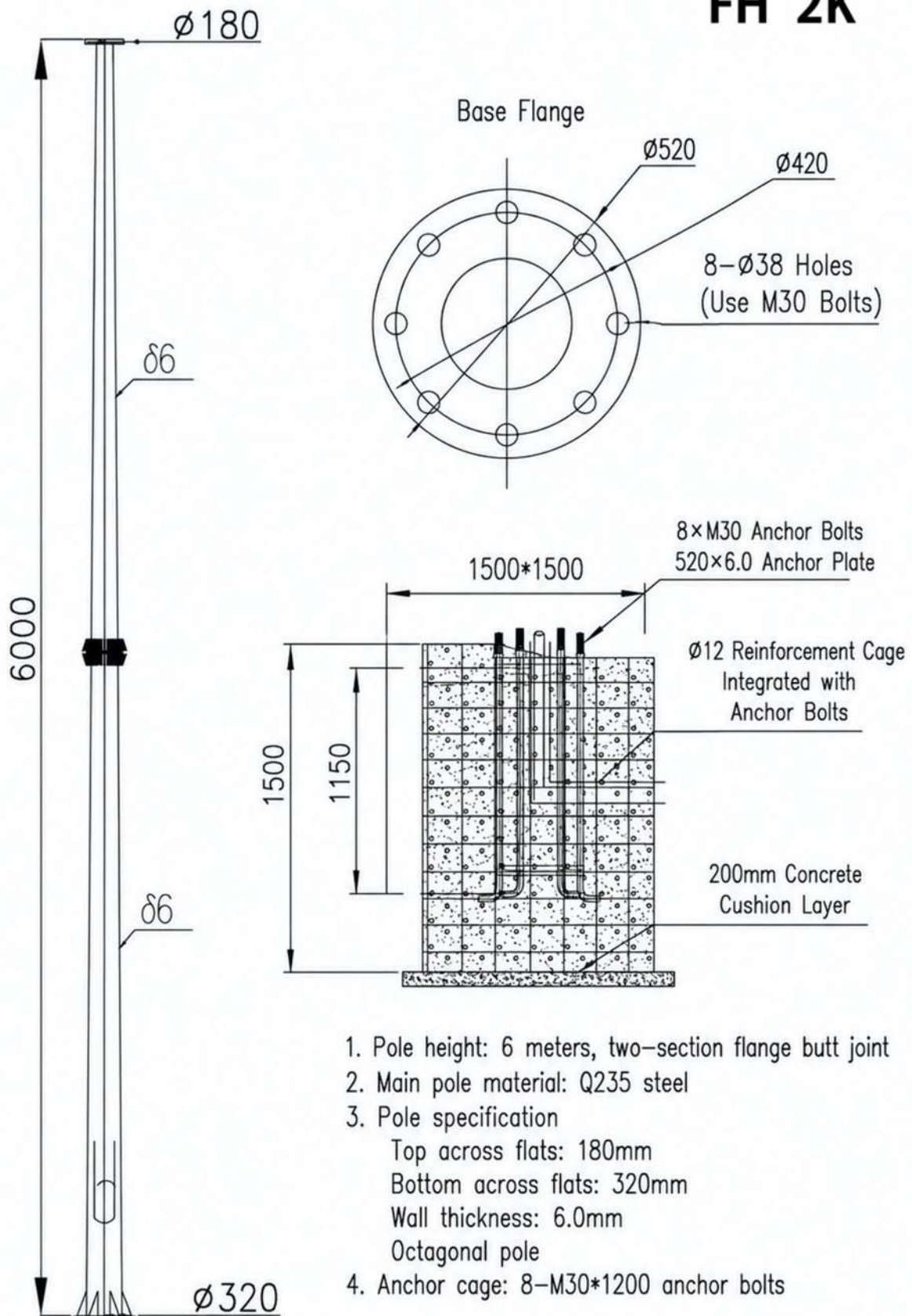
SPECIFICATIONS

Specifications	FH-2000	FH-5000	FH-10K
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 Cut-in Wind Speed (m/s)	3.5m/s	3.5m/s	4m/s
 Rated Wind Speed (m/s)	11m/s	11m/s	12m/s
 Rated Voltage (AC)	48V-96V	96V-380V	220V-380V
 Rated Power (W)	2000W	5000W	10KW
 Max Power (W)	2200W	5500W	11KW
 Rotor Diameter (m)	2m	3m	4.0m
 Product Net Weight (kg)	120kg	330kg	750kg
 Blade Height (m)	2.8m	4.5m	6.0m
 Blade Color	White / Multicolor		White
 Safe Wind Speed (m/s)	≤ 55m/s		
 Blade Quantity	3 (Can be increased)		3/5
 Blade Material	Aviation Aluminum Alloy		
 Generator	Three-phase AC Permanent Magnet Generator		
 Control System	Electromagnetic		
 Tower Height (m)	6~20m (12m)		
 Generator Protection Rating	IP54		
 Operating Ambient Temperature	-40~+80°C		
 Operating Ambient Humidity	< 90%		
 Altitude	≤ 4500m		
 Overspeed Protection	Electromagnetic Brake		
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FH 2K

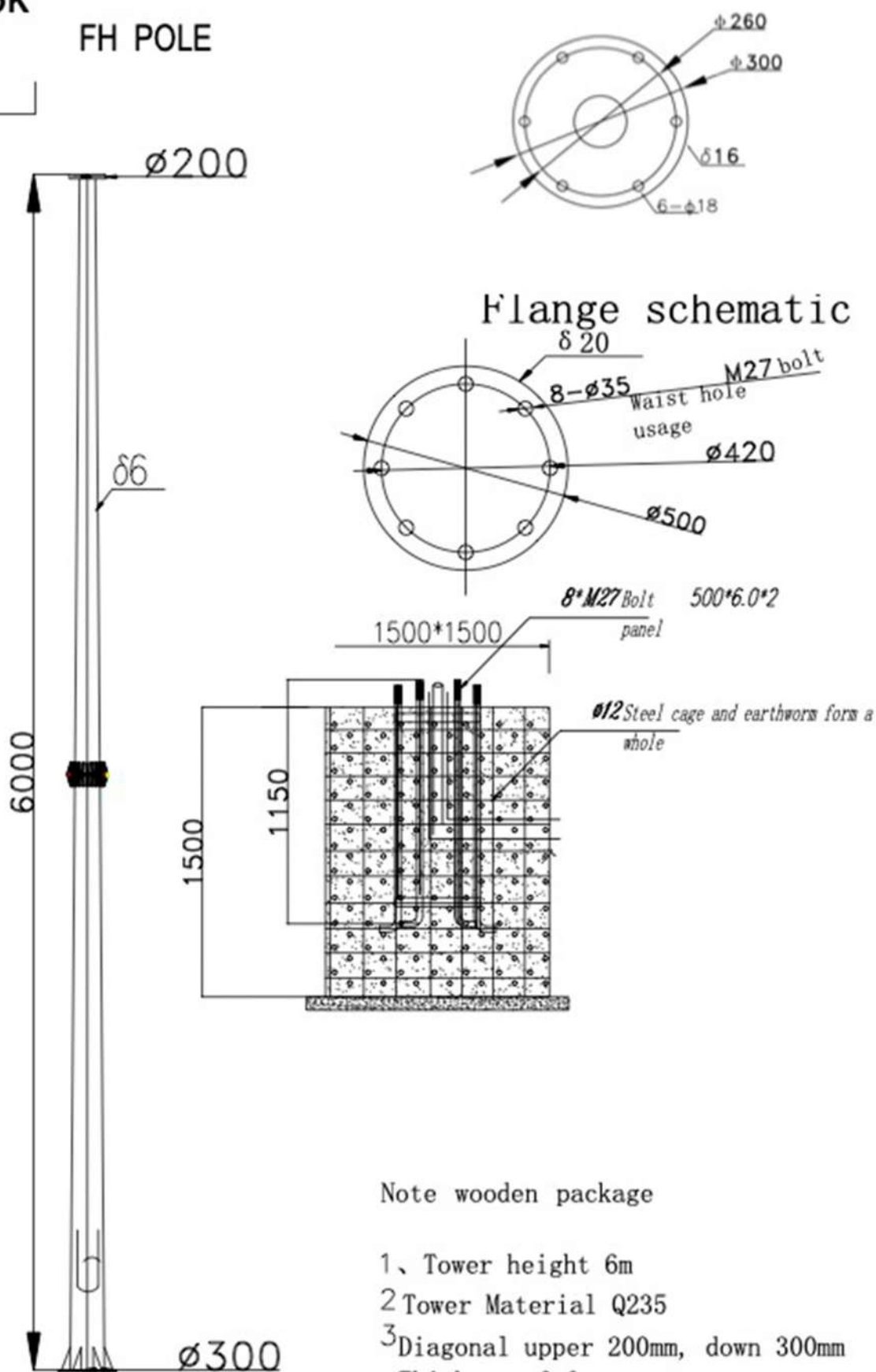
Unit: mm



FH 5k

FH POLE

单位: mm



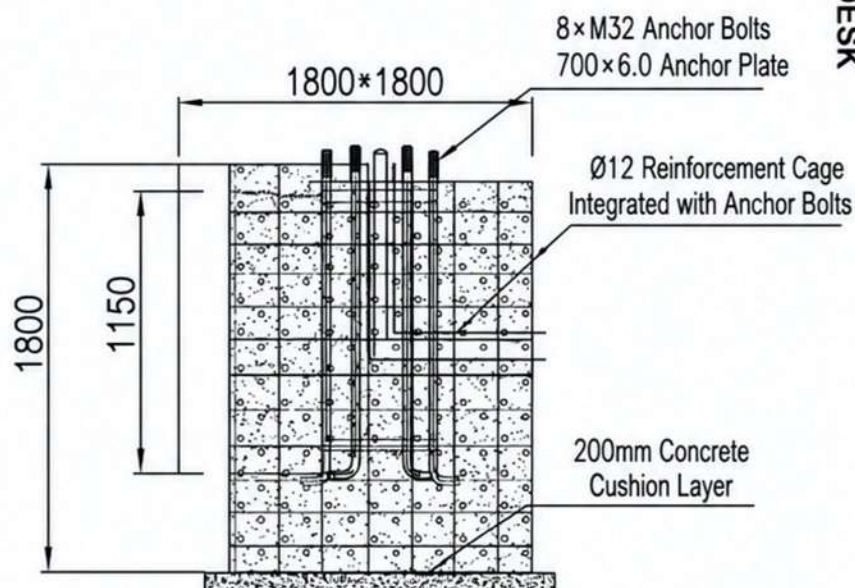
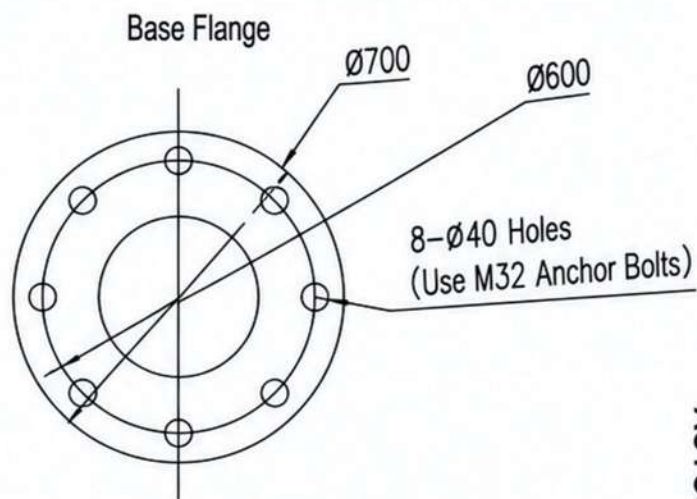
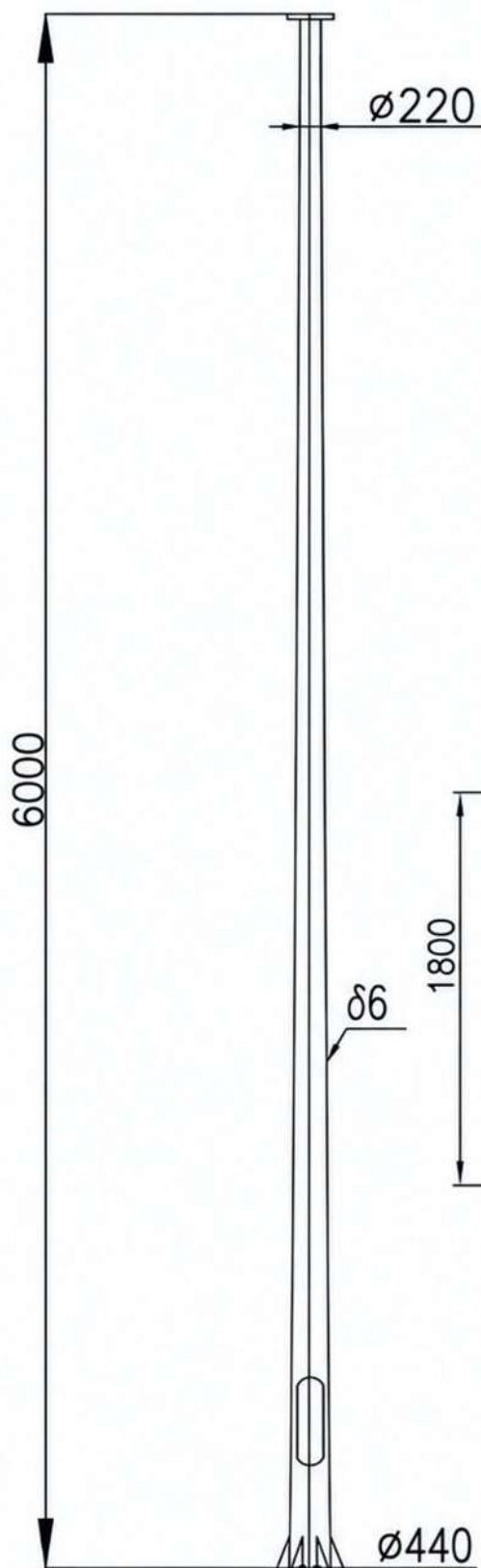
Note wooden package

- 1、Tower height 6m
- 2 Tower Material Q235
- 3 Diagonal upper 200mm, down 300mm
Thickness 6.0mm
- 4 Ground cage not included



Unit: mm

FH 10K



1. Pole Height: 6 meters
2. Main Pole Material: Q235 Steel
3. Pole Specification
 - Top Across Flats: 220mm
 - Bottom Across Flats: 440mm
 - Wall Thickness: 6.0mm
 - Octagonal Pole
4. Anchor Cage
 - 8x M32x1150mm Anchor Bolts

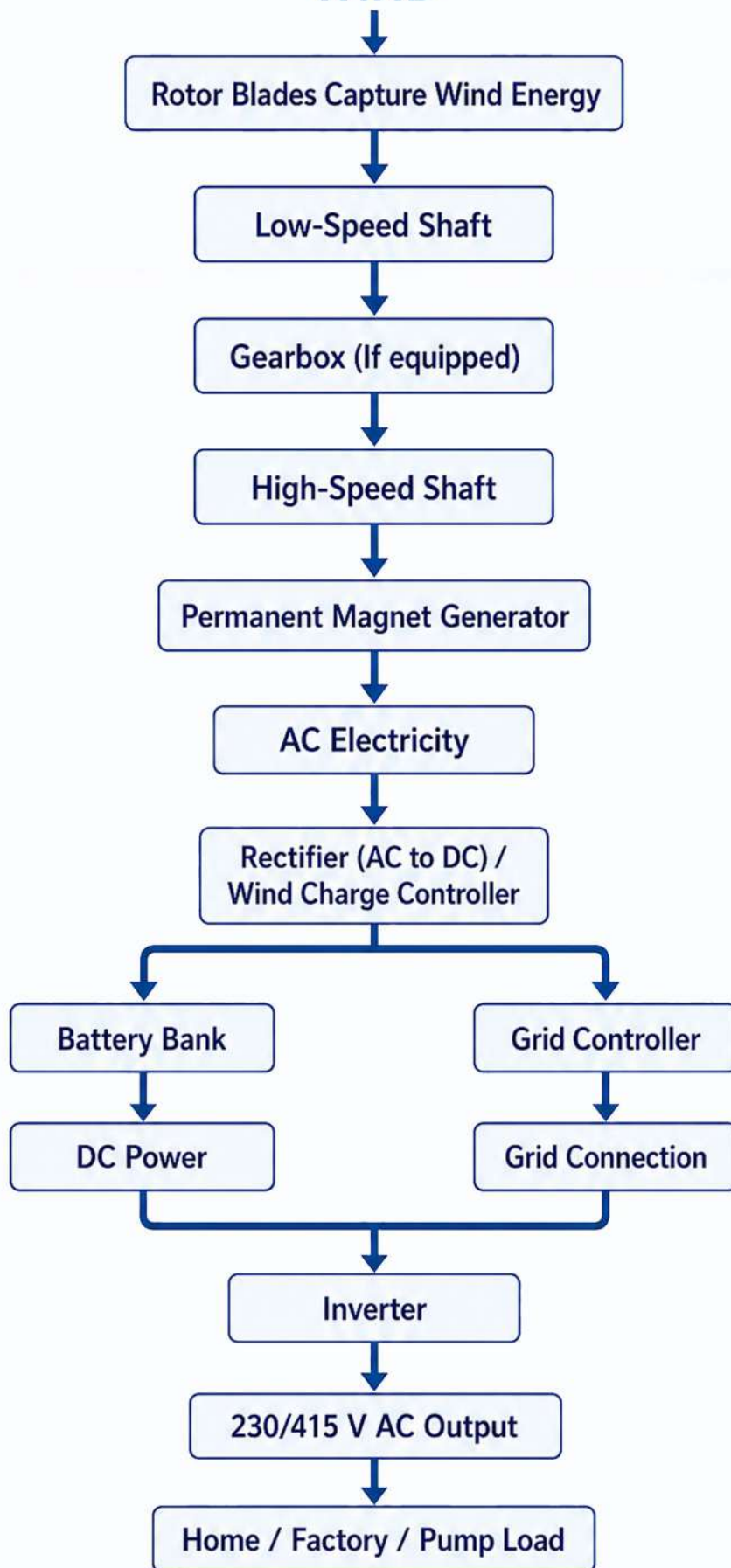
AUTODESK





FH 2K, 5K, 10K

WIND



Foundation Progress





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ENERGY SECTOR