



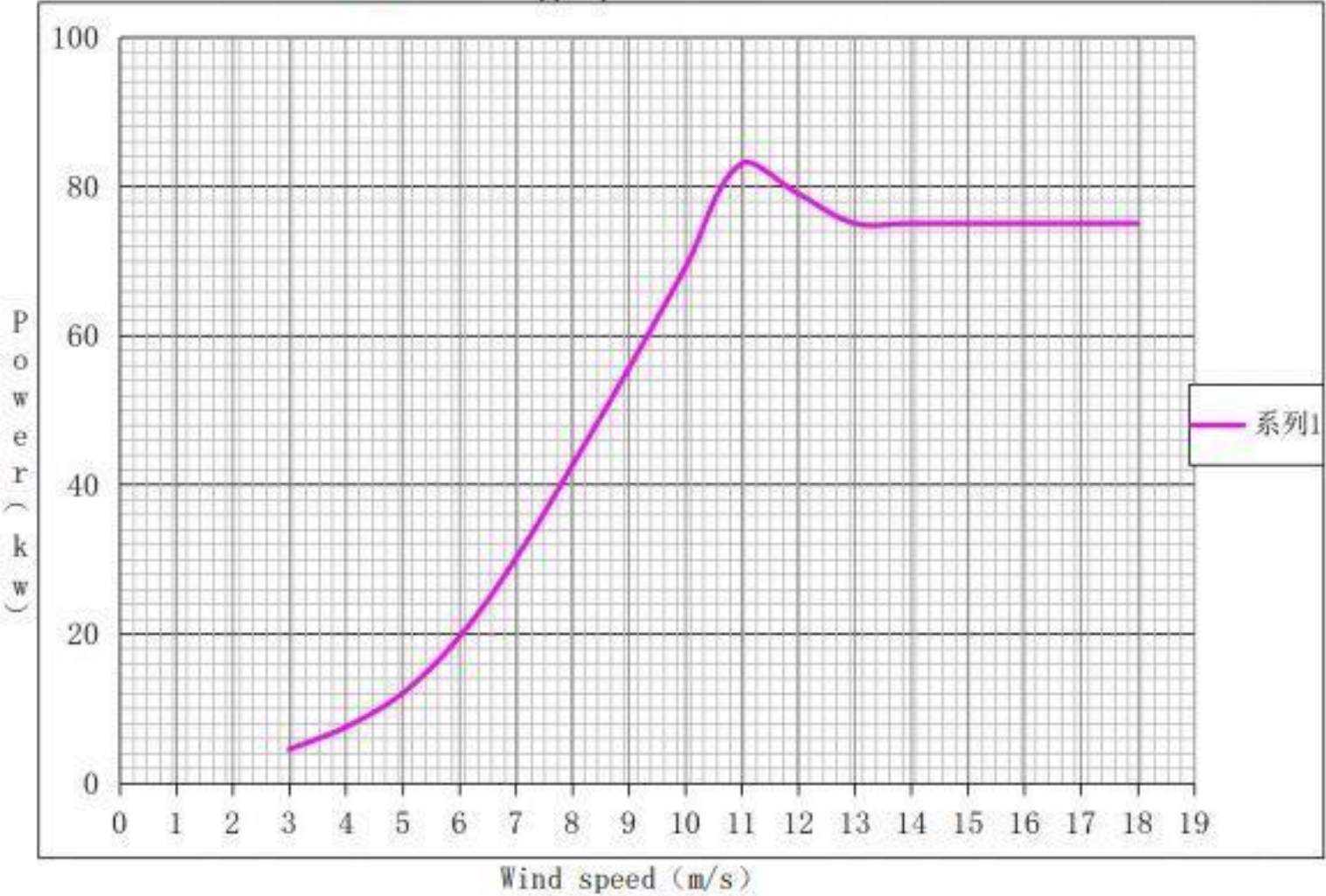
75kw wind turbine on-grid
system
(Active pitch controlled)

Power Curve

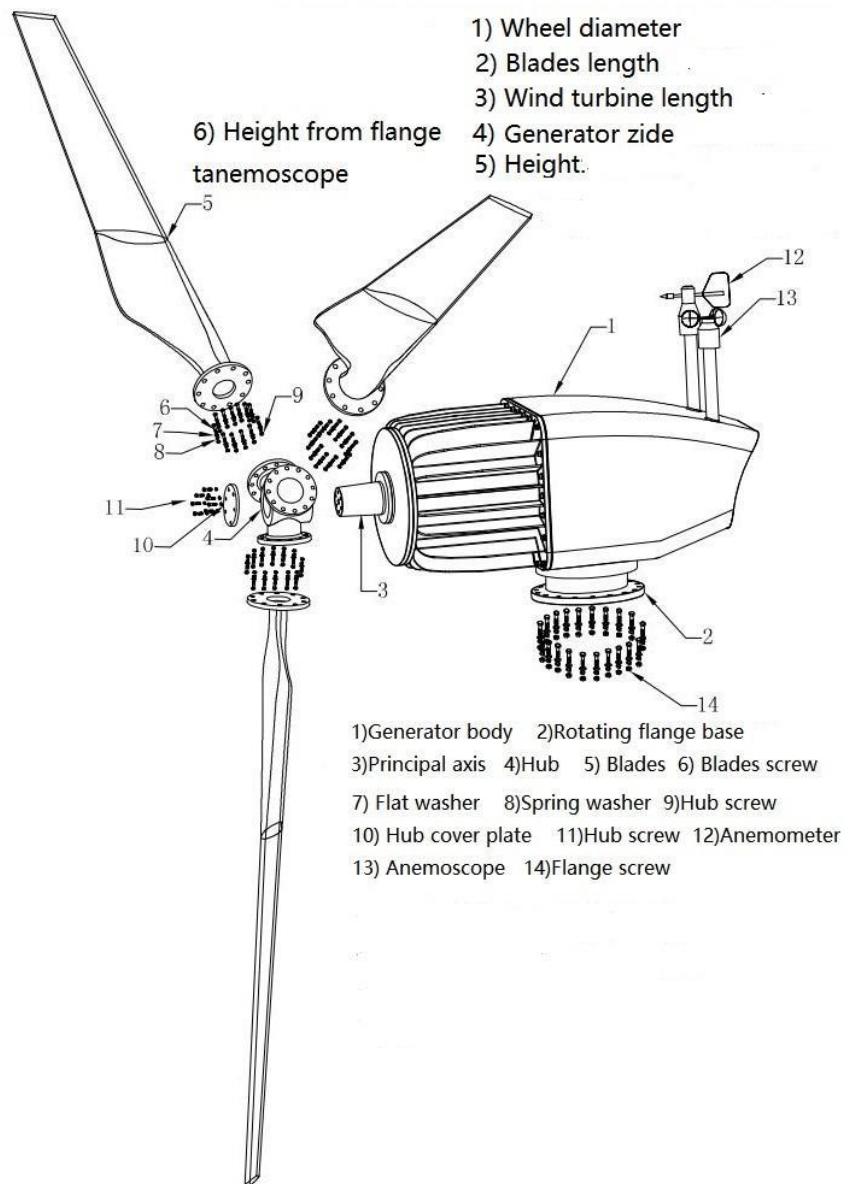
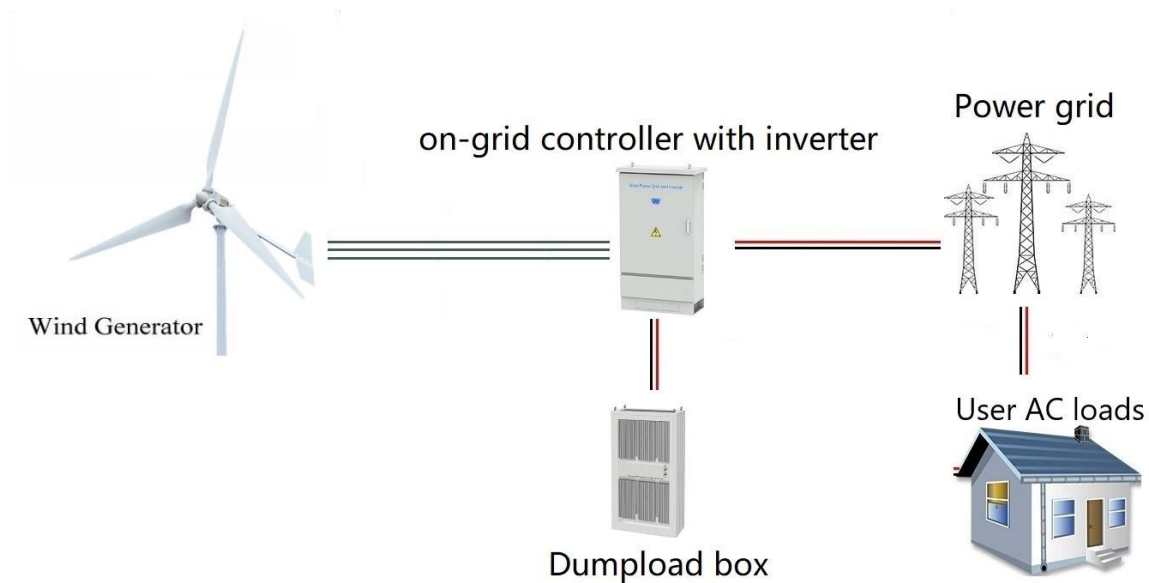
Wind turbine		Wind speed M/s	Monthly Output Kwh
NE-75k EC	75 kw 380V/ 400v	6-7	14040-21600 kwh

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2.25	4.5	7.5	12	19.5	30	43	56	69	83	79	75	75	75	75	75	75

NE-75kw EC type power curve



Wind turbine on-grid



NE-75kw EC

Performance

Rated power	75kw
Peak power	100kw
Start-up wind speed	3.5m/s
Working wind speed	3.5-20m/s
Survival wind speed	40m/s

Rotor

Rotor diameter	18.58m
Swept area	254.34m ²
Blade	3pcs reinforced fiber glass
Blade length	900 cm
Shell material	Stainless Steel
Rated RPM	50r/m
Weight	4300-4500kg

Others

Generator type	3-phase AC PMG
Speed regulation & protection	Electromagnetic brake, Mechanical brake, Yawing
Rated voltage	AC 380V
Tower type	18m tower
Working temperature	-40°C to +80°C
Direction	Automatically Wind direction (adjustable)

Controller NE-GT-Y-75KW

Wind Turbine Input

Rated input power	75kW
Rated input voltage	AC380V
Grid voltage	AC220V, Three-phaseAC380V
Function	Rectifier,control,DC output, Yaw Control
Rated input Automatic protection function	Over voltage protection, network electric cut off protection, regulated supply output, arrester, Yaw control, change OARS
Manual function	Manual brake, reset, emergency switch
Display mode	Touch Screen
Display content	Wind turbine voltage, current, power; Solar voltage, current, power; DC output voltage, DC output current, DC output power, total power. Yaw data Settings
PWM constant voltage)	$\geq 550\text{dc}$
Wind turbine deflection 45° (adjustable)	$\geq 550\text{Vdc}$
wind turbine 3-phase dump load voltage 1	$575\pm 5\text{Vdc}$
wind turbine 3-phase dump load voltage 2	$575\pm 5\text{Vdc}$
wind turbine 3-phase dump load voltage 3	$575\pm 5\text{Vdc}$
Wind turbine deflection 90° (adjustable)	$580\pm 5\text{Vdc}$
Time-lapse of the wind turbine 3-phase dump load2	12-20 min

Controller NE-GT-Y-75KW

Wind speed adjustable	≥2m/s
Wind direction adjustable	0-360°
PWM dump load fuse	125A
Fuse of DC output	200A
Work environment temperature	-30-60°C
Relative humidity	< 90% No condensation
Noise (1m)	< 40dB
Degree of protection	IP20(Indoor)
Cooling method	Forced air cooling
Communication interface (optional)	WIFI
Size of the controller (mm)	790*650*1860
Weight of the controller	165Kg
Size of the dump load (mm)	970*820*540*2
Weight of the dump load	54Kg*2

Inverter NE-75KWS

Rated power	75KW
Max. DC input power	82KW
Max DC input voltage	780Vdc
Rated DC input current	154A
Maximum DC input current	169A
DC input voltage range	150Vdc-780Vdc
Nominal AC output power	75KW
THD of AC current	<3% (Rated power)
Power factor	>0.99
Max. efficiency	95%
Output rating voltage	380Vac /50Hz
Allowed Grid Voltage Range	380Vac±20%
Allowed Grid Frequency Range	50Hz±10%
Protection	Reverse polarity, short circuit, island, overheating and overload etc*2
Display mode	Touch screen
Wind generator power curve	can set
Comm. interfaces	RS485
Operating Temp.	-10°C~+50°C
Relative humidity	0~90%, Non-condensing
Cooling method	Forced air cooling
Noise	≤65dB
Protection degree	IP22(indoor)

