

50KW Wind Turbine Technical Specifications:

Rated power: 50KW
 Rated volt: 690V DC
 Rotor diameter: 13m
 Start-up wind speed : 3m/s
 Rated wind speed: 12m/s
 Security wind speed: 60m/s
 Yawing type: electronic
 Rated rotating rate: 85 r/m
 Generator work way: magnetic saturation
 Generator material: steel
 Blade material: fiber-glass
 Blade quantity: 3pcs
 Free stand tower height: 24m
 Matched inverter type: or grid connected inverter
 (optional) Off Grid



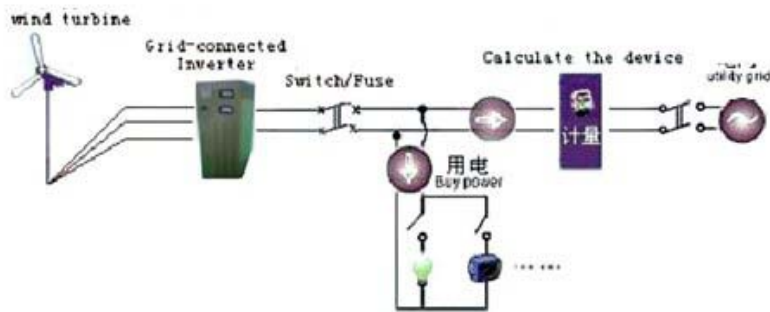
ON GRID SYSTEM

Wind generator price \$372,620.00
 Blade price included
 Controller price included
 Free stand tower price included
 On grid inverter price Included

System cost FOB: \$372,620.00

Power Curve

Wind Speed (m/s)	Power (W)
1-3	0
4	5500
5	11500
6	17500
7	23500
8	29500
9	35500
10	41500
11	47500
12	50400
13	51400
14	50800
15	50400
16	50400
17	50400
18	50400
19	50400
20	50400
21	50400
22	50400
23	50400
24	50400



Model	Series
Power range	1KW---500KW
DC voltage range	40V---980V(optional)
Total Current waveform aberrance rate(THD)	≤3%
Power factor	>0.99
DC to AC transfer efficiency	90~96%
Allowable electric net voltage range(AC)	175V~265V(single phase)
	304V~450V(three phases)
Allowable electric net frequency range	50/60Hz
DC access type	Group terminal block+DC switchch
AC access type	Group terminal block+AC switchch
Night power expenditure	0W
Communication ports	RS232,RS485,USB(optional)
Protections	Protection against short-circuit,reverse
	Polarity protection,lone-island domino
	effect protection,protection against over-
	load,grounding protection
Operational environment temperature	-10°C~+40°C
Electric net control	According to UL1741,IEEE-2000 standards
Electromagnetism compatibleness	EN50081,PART1 EN50082,PART1
Electromagnetism compatibleness	EN61000-3-2
Utility grid test	DIN VDE126