

Wind Turbine Components



Controller



Anemometer



Dump Loader



Vane



Wind Turbine Parameter

Rate power(W)	3000W	5000W	10KW
Rate voltage(V)	48	48	48
Rotor diameter(m)	4.5	5.8	8
Start-up wind speed(m/s)	2	2	2
Rated wind speed(m/s)	10	12	12
Security wind speed(m/s)	60	60	60
Yawing type	electronic	electronic	electronic
Rated rotating rate(r/m)	220	200	185
Generator work way	magnetic saturation	magnetic saturation	magnetic saturation
Generator material	steel	steel	steel
Blade material	Fiber glass	Fiber glass	Fiber glass
Blade quantity	3	3	3
Tower Height(m)	9	12	12
Tower Diameter(mm)	273	273	325
Suggested battery capacity	12V200AH 20pcs	12V150AH 40pcs	12V200AH 40pcs
Matched inverter type	Sine wave	Sine wave	Sine wave

Model	Controller 3K	Controller 5K	Controller 10K
Rated Power	3000W	5000W	10KW
Rated DC Voltage	48V	48V	48V
Over-discharge protection voltage	60V	60V	60V
Over-discharge recovery voltage	64V	64V	64V
Over-charged protection voltage	56V	56V	56V
Over-charged recovery voltage	42V	42V	42V
Regulative voltage	47V	47V	47V
Max. charge current	62A	104A	208A
Unload current	≤100mA	≤500mA	
Cooling type	Auto cooling & fan		
Protection	Protection against over-charged, low-voltage and unloading	Battery overcharge, unloading, over flow, Jie Lan, yaw, brake function	
Environmental temperature	-20℃~+60℃		
The use of altitude	≤6000m		
Size (L*W*H)	194*229*75	405*505*205	

Batteries Parameter

Battery Voltage (V)	12	24	36	48	120	240	360
Float Charge Voltage (V)	14.5	30	45	60	150	300	450
Over voltage (V)	14.5	30	45	60	150	300	450
Over charge resume voltage (V)	14	28	42	56	140	280	420
Under Voltage (V)	10.5	21	32	42	105	210	315
Under Charge	12	24	36	48	120	240	360



Batteries



Inverter