

HORIZONTAL WIND TURBINE



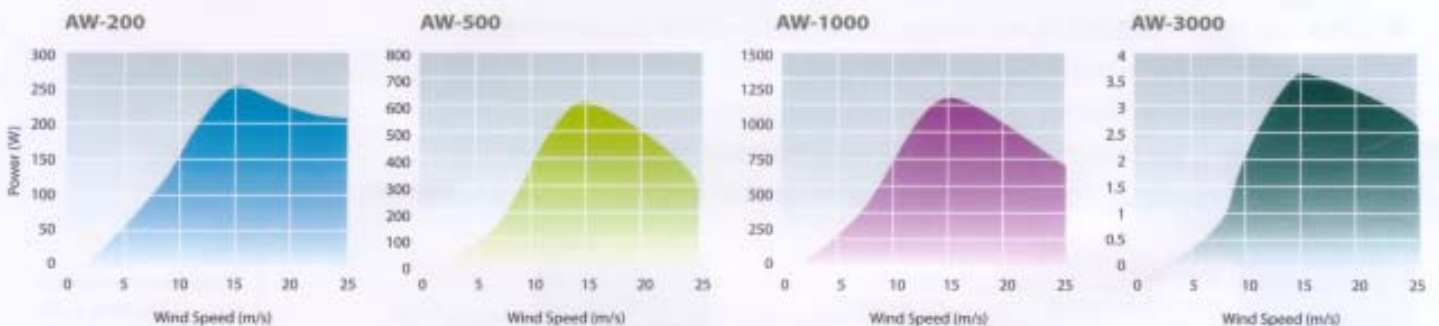
A-WIN your best GREEN choice !

Protect our mother rivers/forests/Earth!

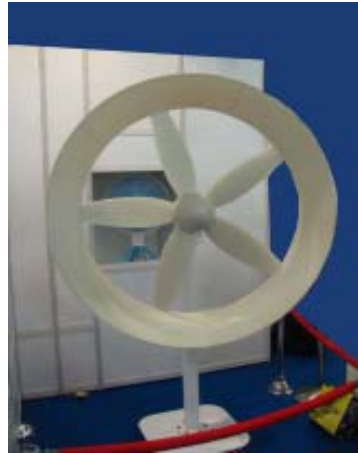
A-WIN Small Horizontal Wind Turbine

The patent of ducted design has the industry's most safety and simple structures, installation only needs a nut, easy to maintain and minimize cost.

The wind turbine not only certified by Computational Fluid Dynamics (CFD) simulation system, but also tested by unique non boundary high speed wind tunnel lab to ensure power generating output.



Spec./ Model		AW-200	AW-500	AW-1000	AW-3000
Performance (M/S)	Start-Up	2	2	2	2
	Rated	12	12	12	12
	Cut-out	25	25	25	25
	Max. Endure	50	50	50	50
Blade	Dia(M)	0.69 D	1.0 D	1.4 D	*1.7 L(Blade Length)
	Type	Permanent Magnet			
Generator	Drive mode	Direct drive			
	Rated (RPM)	1000	800	600	350
	Rated Power (W)	200	500	1000	3000
Weight (Kg)	Blade & Generator	15	25	33	90



Hybrid Street Light AW-300HB SL1

Wind + Solar Power (Generator 200W , PV 100W)

Features

- Storm endurable design, firm structure, low vibration & tailless down-wind design.
- Easy installation and maintenance structures, all-in-one ducted design, only one nut to installation.
- Complex magnetic circuit computation analysed ensure the efficiency of power output.
- Ultra low noise ducted turbine design, analysed by CFD simulation system
- Intelligent control system able to charge deep-cycle lead-acid and lithium iron (LiFePO4) batteries.
- Meet the IEC standard for Island's strong wind humid climate.
- High quality IP65 protection standard , maintenance cost minimized
- Tested and certify by Taiwan's unique non boundary high speed wind tunnel lab.

Performance	Start-Up	2 m/sec
	Power Generating	2.5 m/sec
	Rated	12 m/sec
	Cut-out	25 m/sec
Brake Control system	Fully Auto Electricity Brake System, High capacity heat resistance, Auto discharge	
Blade	Diameter (M)	0.7 M
	Material	PBT+ 40% GF
Generator	Type	Coreless Permanent Magnet
	Drive mode	Direct drive
	Rated (RPM)	1000 RPM
	Rated Power (W)	200W
Solar Panel	Case Material	Causticity Al Alloy
	Amorphous Silicon Cell	100W
Light	LED Light	60W
	Lighting Time	8hrs/day

Battery	Battery Type	Deep cycle Lead Acid Battery (Option: Li Fe Battery) (40Ah * 2)
	Total Height	8M
	Diameter (Lower)	318.5mm: t=6mm
	Diameter (Upper)	165.2mm: t=4.5mm
Pole	Material	STK Carbon Stell Pipe
	Paint	Zinc Plated
	Hybrid Type	Wind + Solar Power Generator
	Battery System	Battery Charge and discharge management System
	Lighting Control	Solar Power Sensor 2 level Auto control
	Generating Display	LED Output Display
Estimate Weight (Kg)	Blade & Generator	Estimate 27kgs

Per Ulteriori Informazioni - For Further Information

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