



Wind Power Generating Systems

AKSON'S presents stand alone wind generators with world class standard materials, to generate power at wind speed which is commonly and freely available in coastal, hilly, desert areas and open land. The power can be used directly or by storing it in the battery bank and consuming it indirectly through an inverter.

Wind as the primary source, costs nothing and can be used profitably. There is no need for an extensive infrastructure as required for a grid supply network. AKSON'S Wind Generator will function where no grid connections are available or where grid staggering is a regular problem.

Wind power is growing fast because it is cheap, abundant, inexhaustible and clean.

PRODUCT FEATURES

- TOP OF THE CLASS PRODUCT TO PROVIDE LIFE-TIME SERVICES
- MOST ECO-FRIENDLY SOURCE OF ENERGY
- NO RECURRING FUEL COST
- EASY TO INSTALL, CAN BE MOUNTED ON ROOF-TOP / AT GROUND LEVEL
- VERY ECONOMICAL COMPARED TO SOLAR PV CELL, FUEL & ELECTRICITY
- A.C-D.C. AUTOCHANGER, CONTROLLERS, OVER-CHARGE & UNDER-CHARGE
- PROTECTION AND AUTO GRID-CHANGEVER
- SPECIFICALLY DESIGNED TO SUIT WIND SPEED PREVELENT
- LOWEST RATED WIND SPEED
- NO SCHEDULED MAINTENANCE REQUIRED
- DESIGNED FOR 20+ YEARS
- LOW NOISE UNDER ALL CONDITIONS
- BENEFIT IN TAXATION FOR COMMERCIAL ESTABLISHMENTS
- PROTECTION FROM HIGH WIND SPEED

Where can I Install:

Depending on the application, Installation can be on ground level, rooftop of any industrial / commercial setup, City/Rural/Urban where there is shortage of electricity or cost of electricity is high.

- Residential bungalows / farmhouses
- C-op societies / multistoreyed buildings
- Malls / Offices
- Schools
- Hospitals
- Theatres
- Resorts / Hotels
- Factory Premises, Admin, security office, etc.
- Off grid mobile Phone BTS Towers
- Radio communication Towers
- Cathodic protection for pipe lines
- Street & compound lighting
- Grid connect residential power
- Rural/ Village electrification
- Offshore Oil platforms
- Hoardings / billboards



Wind Mill Specifications

Model	Capacity KW	Battery Bank	System/Inverter Voltage	Rotor Diameter
FRE 750	.750	1 X 280 Ah	12 V	2.3
FRE 1600	1.60	2 X 200 Ah	24 V	2.8
FRE 3200	3.20	4 X 200 Ah	48 V	3.0
FRE 5000	5.00	4 X 240 Ah	48 V	3.0
FRE 7500	7.00	6 X 240 Ah	72 V	4.5
FRE 10000	10.0	10 X 240 Ah	120 V	7.0

Due to continuous developments, specifications are subject to change without notice. System performance will depend on air density

Technical Specifications

Electrical Characteristics	WS-60	WS-75	WS-100	WS-125	WS-150
Power (PM) in Watts (nominal)	60	75	100	125	150
Open Circuit Voltage (Voc) in Volts	21	21	21	21.6	36
Short Circuit Current (Isc) in Amps	4.1	5.1	6.8	8.4	5.8
Voltage at Maximum Power (Vmp) in Volts	17	17	17	17	29
Current at Maximum Power (Imp) in Amps	3.54	4.43	5.90	7.38	5.18
Maxumun System Voltage	1000 V	1000 V	1000 V	1000 V	1000 V
Physical Parameters					
Solar Cells per Module (units)	36	36	36	36	36
Length x width x thickness (LxWxT) mm	770 x 655 x 34	890 x 655 x 34	1150 x 655 x 34	1490 x 655 x 34	1280 x 990 x 42
Weight - Kg	6.0	7.0	8.5	12	15
Mounting Holes Pitch (Y) mm	510	510	900 & 510	900	900
Mounting Holes Pitch (X) mm	511	611	611	611	949
Area Sq. M.	0.50	0.58	0.76	0.98	1.27
Junction Box	4 terminals	4 terminals	4 terminals	4T & 2 diodes	4T & 3 diodes

NSIC-CRISIL **SE 2B**

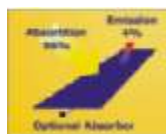


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ISO 9001:2000



Patents
(awarded / pending)



PVDSunselect™
PVD Coated Solar Absorber



AKSON'S DELTA
Ideal Solution for Buildings



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Concentrator Plate Collector

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