



Green & Eco-friendly Energy

Using Wind & Solar PV Hybrid



SPITZEN ENERGY

Hybrid Renewable Energy Solutions
(Wind + Solar PV)

Salient Features

- ✓ Compact system and Easy to integrate
- ✓ No / less maintenance reduced life cycle cost
- ✓ Direct drive, permanent magnet generator
- ✓ Automatic furling system with passive aligned Tail Vane, Electric Break Switch
- ✓ Complimentary nature of Wind & Solar
- ✓ Off-Grid or Grid feed-in operation
- ✓ Inverter output : 230V, 1Ph. / 415V, 3Ph.

Typical Applications

- ✓ Residential & Farm Houses
- ✓ School, Hospitals, Hotels, Resorts
- ✓ Industrial Units
- ✓ Village Electrification
- ✓ Water Pumping
- ✓ Commercial Buildings
- ✓ Remote area electrification

...Limited only by imagination!

- ✓ Wind Turbine technology which is proven & reliable.
- ✓ Turbines are MNRE/NIWE empanelled.
- ✓ Systems successfully running in various states in India (e.g. Maharashtra, Goa, Tamilnadu, Chattisgarh, Odisha, Meghalaya, Nagaland, etc.) and abroad.
- ✓ Wind & Solar complimentary, hence hybrid system supply almost all time.



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Wind Turbine Technical Data

	 PASSAAT	 MONTANA	 ALIZE
Maximum Power	1.4 KW	5 KW	10 KW
Rated wind speed	14 m/Sec	14 m/Sec	12 m/Sec
Cut in wind speed	3 m/sec	2.5 m/sec	3 m/sec
Daily units generated (estimated) at 6 m/sec	5 KWH	17 KWH	48 KWH
Rotor diameter	3.12 mtr.	5 mtr.	7 mtr.
Rotor blade material	Fibreglass - reinforced epoxy		
Tower	6 - 30m guyed wire / self supporting (Roof/ground Mounting)		
Generator type	Permanent Manger Type For 12V, 24V, or 120V configuration		



You Rely On Us

We Rely On Expertise..!

Web: www.spitzenenergy.com