



Green & Echo-friendly Energy Using Wind & Solar PV



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 safety system with passive aligned tail vane
- ✓ Electric brake switch
- ✓ Off-Grid or Grid Feed-in operation
- ✓ Inverter output : 230V, 1Ø / 415V, 3Ø

Typical Applications

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

- ✓ Wind Turbine technology from Fortis, Europe which is proven & reliable
- ✓ Turbines are MNRE/ C-WET empanelled (1.4KW)
- ✓ Reference Installations (Wind + Solar) at various locations in India e.g. Maharashtra, Goa, Tamilnadu, Chattisgarh, etc.
- ✓ About 7000 installations of these types of generators are running successfully worldwide



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Wind Turbine Technical Data

			
	PASSAAT	MONTANA	ALIZE
Maximum power	1.4 KW	5 KW	10 KW
Rated wind speed	15 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 Magnet Type for 12V,24V,48V,or120V configuration		



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*You Rely On Us
We Rely On Expertise..!*