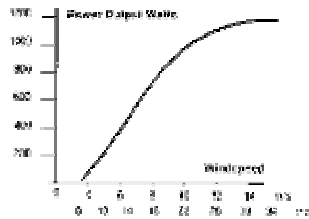


SOMA 1000



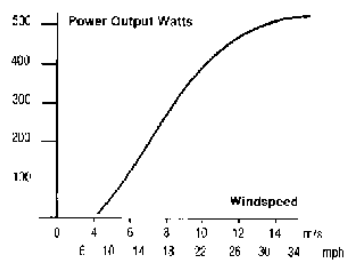
Rated output 1000 watts
Peak output 1200 watts
Cut-in wind speed 3.5 m/s
Rated wind speed 10 m/s
Max design wind speed 50 m/s
Feathering mechanism Tilt-up
Rotor diameter 2.7 m
Number of blades 2 blades
Operating speeds 250 - 800 rpm
Blade construction GRP
Alternator type Permanent magnet 3 phase
Voltage 24, 48 or 110 volts
Controller Mosfet switching
Shipping volume 0.15 cubic metres
Shipping weight 50 kg

SOMA 1000 Wind Generator Energy Outputs

| Average wind speed (metres/sec) | Average daily output (watt-hours) |
|------------------------------------|--------------------------------------|
| 3 | 900 |
| 4 | 2800 |
| 5 | 4000 |
| 6 | 7300 |
| 7 | 10000 |
| 8 | 12000 |
| 9 | 14200 |
| 10 | 16300 |

Rated instantaneous output is 1000W at 10 m/s, peak output 1200W at 15 m/s.
 The above energy outputs are based on a Rayleigh Distribution of windspeeds.

SOMA 400



| | |
|------------------------------|--------------------------|
| Rated output | 400 watts |
| Peak output | 500 watts |
| Cut-in wind speed | 4 m/s |
| Rated wind speed | 10 m/s |
| Max design wind speed | 50 m/s |
| Feathering mechanism | Tilt-up |
| Rotor diameter | 2 m |
| Number of blades | 2 blades |
| Operating speeds | 300 - 1200 rpm |
| Blade construction | GRP |
| Alternator type | Permanent magnet 3 phase |
| Voltage | 12 or 24 volts |
| Controller | Voltage controlled relay |
| Shipping volume | 0.15 cubic metres |
| Shipping weight | 40 kg |

SOMA 400 Wind Generator Energy Outputs

| Average wind speed (metres/sec) | Average daily output (watt-hours) |
|------------------------------------|--------------------------------------|
| 4 | 1220 |
| 5 | 2327 |
| 6 | 3450 |
| 7 | 4510 |
| 8 | 5430 |
| 9 | 6200 |
| 10 | 6820 |

Rated instantaneous output is 400W at 10 m/s, peak output 500W at 15 m/s.
The above energy outputs are based on a Rayleigh Distribution of windspeeds.