

SPECIFICATIONS OF "YELLOW SAND" RANGE

| MODEL nr | 200 | 300 | 500 |
|--------------------------|--------------------------------------|---------------------|-------------------------------|
| Type | Upwind rotor with fixed pitch | | Upwind rotor pitch controlled |
| Direction of rotation | Clockwise | Clockwise | Clockwise |
| Rotor diameter (m) | 2,0 | 2,4 | 2,5 |
| Swept area | 3,14 m ² | 4,52 m ² | 4,90 m ² |
| Blade material | Glass Fibre Reinforced Epoxy | | |
| Blade number | 2 | 3 | 3 |
| Tipspeed ratio | 7 | 7 | 7 |
| Speed Regulation | Fold tail –vane (side wind) | | Automatic variable pitch |
| Yaw control | Passive Aligned by Tail Vane | | |
| Cut-in wind speed | 3 m/sec | 3 m/sec | 3 m/sec |
| Rated wind speed | 8 m/sec | 8 m/sec | 9 m/sec |
| Max wind speed | 25 m/sec | 25 m/sec | 25 m/sec |
| Rated output power | 200 Watt | 300 Watt | 500 Watt |
| Output voltage | 24 VDC | 24 VDC | 24 VDC |
| Generator | Permanent magnet 3 phase AC | | |
| Tower height | 6 to 12 m (not included in delivery) | | |
| Weight | 95 kg | 110 KG | 125 KG |
| Recommended battery size | 24V/120Ah | 24V/120 -150 Ah | 24V/150 – 200 Ah |