

## Technical Specification for 500Watt, 300 RPM, 415VAC Three Phase Wind Turbine Alternator.

| Sl. No. | Description              | Parameter                      |
|---------|--------------------------|--------------------------------|
| 01.     | Rated Power              | 500 Watt                       |
| 02.     | Rated rotate speed       | 300 RPM                        |
| 03.     | Number of Pole           | 20 Pole                        |
| 04.     | Rated Voltage            | 415 Volts (Three-phase)        |
| 05.     | Power Factor             | 0.90                           |
| 06.     | Rated Amp                | 0.7 Amps                       |
| 07.     | Frequency                | 50 Hz                          |
| 08.     | Insulation Class         | H Class                        |
| 09.     | Working Temperature      | -30°C to 80°C                  |
| 10.     | Starting Torque          | 0.2 NM                         |
| 11.     | Rated Torque             | 15 NM                          |
| 12.     | Magnet Type              | NdFeB                          |
| 13.     | Warranty                 | 24 Months                      |
| 14.     | Type                     | Foot Mounting/ Flange Mounting |
| 15.     | Generator shell material | Cast Iron                      |
| 16.     | Winding material         | 100% Copper                    |
| 17.     | Shaft material           | EN8                            |
| 18.     | Bearing Brand            | SKF                            |
| 19.     | Efficiency               | More than 90%                  |
| 20.     | Protection               | IP54                           |

