Wind Turbine Permanent Magnet Generator/ Alternator

Ginlong Technologies GL-PMG-3500

World Leading Professional Wind Turbine Parts Supplier

Electrical Specification

Rated Output Power(W):	3500
Rated Rotatoin Speed (RPM):	250
Recified DC Current at Rated Output (A):	11
Requied Torque at Rated Power (NM):	150
Phase Resistance (Ohms):	5.3
Output Wire Square Section (mm^2):	6
Output Wire Length (mm):	700
Insultation:	H Class
Generator configuration:	3 Phase star connected AC output
Design Lifetime:	>20 years

Mechanical Specification

Mounting Type:	Vertical
Weight (Kgs):	75.5
Starting Torque (NM):	<2.0
Rotor Inertia ($Kg.m^2$):	0.066
Bearing Type:	High standard NSK 6209DDU (Front) NSK 6309DDU (Rear)

Material Specification

Shaft Material:	Nickle plated 40 Cr Steel with quenching and tempering treatment
Shaft Bearing:	High standard SKF or NSK bearing
Outer Frame Material:	Steel with anti-corrosion treatment
Fasteners (nuts and bolts):	High standard Stainless Steel
Windings Temperature Rating:	180 degrees Celsius
Magnet Material:	NdFeB (Neodymium Iron Boron)
Magnets Temperature Rating:	150 degrees Celsius
Lamination Stack:	High specification cold-rolled Steel











