

# Wind Turbine Permanent Magnet Generator/ Alternator

# Savonius 7500

World Leading Professional Wind Turbine Parts Supplier

## Electrical Specification

Rated Output Power(W):	7500	10K
Rated Rotatoin Speed (RPM):	200	250
Recified DC Current at Rated Output (A):	15.6	16.5
Requied Torque at Rated Power (NM):	382	392
Phase Resistance (Ohm):	5.0	
Output Wire Square Section (mm2):	6	
Output Wire Length (mm):	100	
Insulation:	H Class	
Generator configuration:	3 Phase star connected AC output	
Design Lifetime:	>20 years	

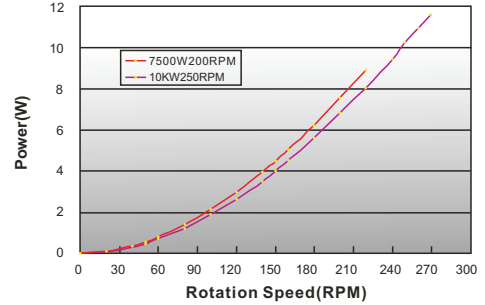
## Mechanical Specification

Mounting Type:	Horizontal
Weight (Kg):	180
Starting Torque (NM):	<5.9
Rotor Inertia (Kg.m): <sup>2</sup>	0.210
Bearing Type:	High standard NSK 6213DDU (Front) NSK 6313DDU (Rear)

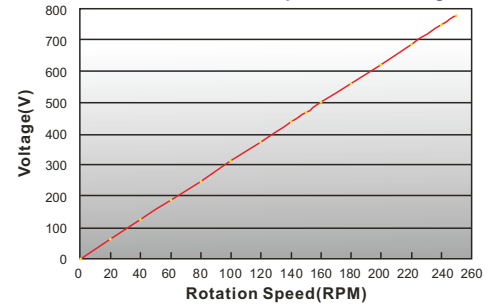
## Material Specification

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

GL-PMG-7500 PMG Power Curve



GL-PMG-7500 PMG Open Circuit Voltage



GL-PMG-7500 PMG Input Torque Curve

