

# Wind Turbine Permanent Magnet Generator/ Alternator

# Savonius 15K

World Leading Professional Wind Turbine Parts Supplier

## Electrical Specification

Rated Output Power(W):	15K
Rated Rotatoin Speed (RPM):	125
Recified DC Current at Rated Output (A):	28
Requied Torque at Rated Power (NM):	1284
Phase Resistance (Ohm):	5.0
Output Wire Square Section (mm2):	10
Output Wire Length (mm):	700
Insultation:	H Class
Generator configuration:	3 Phase star connected AC output
Design Lifetime:	>20 years

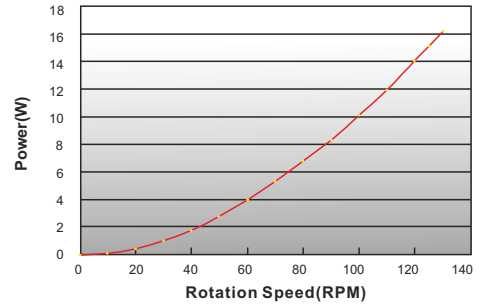
## Mechanical Specification

Mounting Type:	Vertical
Weight (Kg):	420
Starting Torque (NM):	<18
Rotor Inertia (Kg.m): <sup>2</sup>	1.79
Bearing Type:	High standard NSK 6220DDU (Front) NSK 6220DDU (Rear)

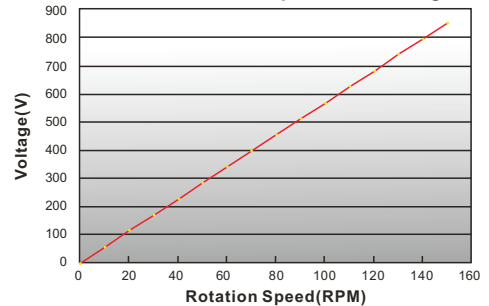
## Material Specification

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-15K PMG Power Curve



GL-PMG-15K PMG Open Circuit Voltage



GL-PMG-15K PMG Input Torque Curve

