



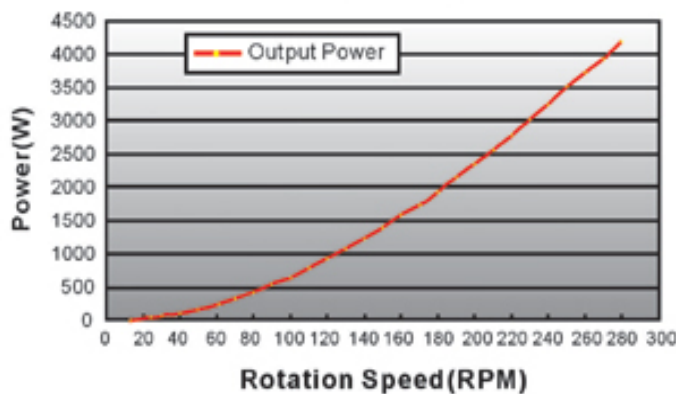
CUTES PM GENERATORS

PM Generators Features

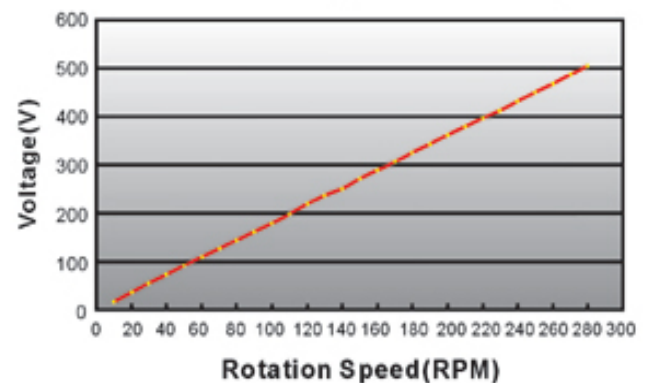
- ◆ Interface provided for extension and braking system
- ◆ Low start up speed due to low cogging and resistive torque design.
- ◆ Gearless, direct drive, low RPM generator.
- ◆ High standard, quality components for use in harsh and extreme environments for wind turbines.
- ◆ High efficiency and Low mechanical resistance energy loss.
- ◆ Generator is designed using specially selected material and treated to resist corrosion and oxidation.
- ◆ Designed for reliable and long operational lifetime under long-term full output.
- ◆ Designed for 20-year operation life.
- ◆ Patent protected design.



CT-PMG-3K5 Power Curve



CT-PMG-3K5 Unloaded Voltage



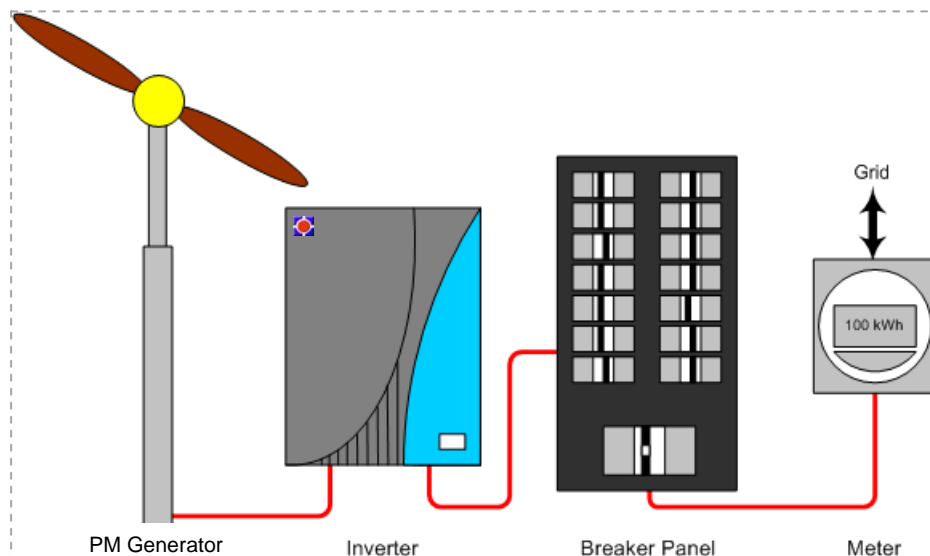


CUTES PM GENERATORS

Technical Specifications for 3.5KW PMG

Model number:	CT-PMG-3K5
Rated rotation speed:	250 RPM
Rated output power:	3.5kW
Shaft bearing:	High standard NSK 6209DDU (Front) NSK 6309DDU (Rear)
Weight:	78Kgs
Rotor inertia (Kg.m²):	0.066
Fasteners (nuts and bolts):	High standard Stainless Steel
Lamination stack:	High specification cold-rolled Steel
Windings temperature rating:	180 degrees Celsius
Magnet material:	NdFeB (Neodymium Iron Boron)
Magnets temperature:	rating 150 degrees Celsius
Generator configuration:	3 Phase star connected AC output or rectifier DC output
Safety:	Capable of withstand short term shorting of the windings for braking effect at rated rotation speed. Class 1 electrical safety rated for prevention of
Starting torque:	< 1.8NM
Phase resistance:	2.7ohms

System Block Diagram



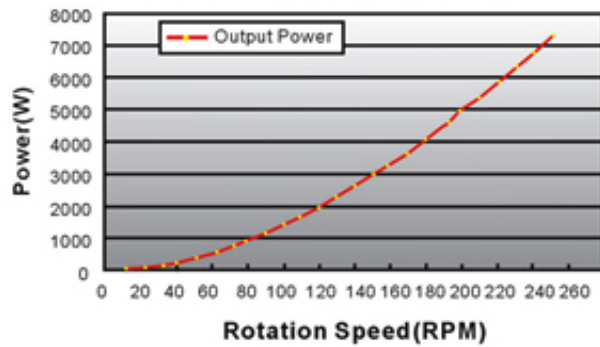


CUTES PM GENERATORS

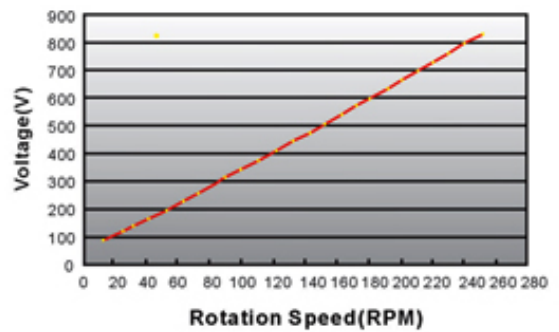
PM Generators 5.0KW



CT-PMG-5K Power Curve



CT-PMG-5K Unloaded Voltage





CUTES PM GENERATORS

Technical Specifications for 5.0KW PMG

Model number:	CT-PMG-5K
Rated rotation speed:	200 RPM
Rated output power:	5.0KW
Shaft bearing:	High standard NSK 6213W
Weight:	138Kgs
Rotor inertia (Kg.m²):	0.138
Fasteners (nuts and bolts):	High standard Stainless Steel
Lamination stack:	High specification cold-rolled Steel
Windings temperature rating:	180 degrees Celsius
Magnet material:	NdFeB (Neodymium Iron Boron)
Magnets temperature:	rating 150 degrees Celsius
Generator configuration:	3 Phase star connected AC output or rectifier DC output
Safety:	Capable of withstand short term shorting of the windings for braking effect at rated rotation speed. Class 1 electrical safety rated for prevention of
Starting torque:	< 3.1NM
Phase resistance:	3.3 ohms