

Wind Turbine

Model	JD-5000H plus
Performance	
Rated Power	5000w
Max Power	5200w
Start Wind Speed	3.2m/s
Rated Wind speed	11m/s
Working Wind Speed	3.2-25m/s
Safety Wind speed	50m/s
Physical Parameters	
Blades Height	3.6m
Blades Rotor Diameter	4m
Blades Material & Quantity	Reinforce glass fiber
Swept Area	14.4 m²
Generator Parameters	
Generator Type	Three phase permanent magnet ac synchronous generator/maglev/out rotor
Rated speed	150r/m
Option Voltage	220v
Protection Method	Electromagnetic
Protection Grade	IP54
Working Temperature	From -40° to 80°
Life time	20 Years

On-grid Controller

Product Model	WWS50-240-N
Rated Battery Voltage	240V
Rated Wind Turbine Input Power	5kW
Maximum Wind Turbine Input Power	7.5kW
Wind Turbine Brake Current	21A
Floating Charging Voltage	290V
Display Mode	LCD
Quiescent Current	≤20mA
Ambient Temperature & Humidity	-20~+55°C/35~85%RH (Without Condensation)
Communication Mode (Optional)	RS232、RS485、RJ45、GPRS (optional)
Temperature Compensation Function (Optional)	-4mV/°C/2V , -35°C--80°C, Precision: ±1°C
Dimension (L x W x H)	Controller Box: 440×305×170mm ; Dump load Box: 770×390×180mm
Net Weight	Controller Box: 7.5kg ; Dump load Box: 17kg
Data for Low Voltage Charge Function	
Wind Turbine Start Charge Voltage	40V
Input Admittance Value	5/300



Our Company

1. Company Profile

JD Engineering Works is a leading manufacturer wind turbine system of Permanent Magnet Alternators, Generators and Torque motors. Located in the suburbs of Hari Nagar in Delhi, India, it works towards designing and manufacturing innovative and reliable solutions for power generation, transmission and control in the industrial, renewable energy sectors.

J.D. Engineering Works, the world-leading specialist in industrial ac alternators, Generators, PMG wind and Hydro Turbine, designs and manufactures highly innovative eco-technological solutions to serve the industrial and large-scale commercial sector markets. We make effective use of the Goodest Machines to manufacture quality products. These products are manufactured to satisfy the need of our clients. In addition. The range of choices that we supply helps our clients to make choice and select the product that would suit their requirement.

2. Production Process

carbon steel for generator case



machining case



half finished case



stator winding



stator



finished for wind turbine





3. Certificate (CE, UDYAM & ISO)

Certificate of Compliance

This is to certify that the following designated products:
**Permanent Magnet Generator & Alternator, Wind Turbine Alternator,
 Permanent Magnet Synchronous Motor, Induction Alternator**

Manufactured By
J. D. ENGG. WORKS
 BE - 343A, Gali No. - 2, Hari Nagar, Delhi - 110064, India
 Conforms with the Applicable requirements of
 Directive Low Voltage Directive (2006/95/EC Amended As 2014/35/EU)

Certificate No. : 20HR113C

This certificate is issued under the following conditions:
 1. It applies only to the above referenced set of products mentioned above. The manufacturer is obliged to ensure that all products of the respective model conform to the type covered by this certificate.
 2. The certificate validity is conditioned by the existence of an authorized auditor.
 3. The Certificate ceases to be valid if the manufacturing conditions, the quality system or relevant legislation are changed but with the UKAS 2012.
 4. After fulfilling the CE requirements, the manufacturer shall affix to each product of the above reference of model CE Marking according to the following example:

Issued Date: 28/09/2020 Tel Surveillance: 28/09/2021
 Expiry Date: 28/09/2023 Tel Surveillance: 28/09/2023

INTERNATIONAL QUALITY REGISTRATION CERTIFICATION
 111, East Street, Haverhill, MA, USA, 01830
 www.ukas.com

Certificate of Registration
 This is to certify that
The Quality Management System of
J. D. ENGG. WORKS
 BE - 343A, Gali No. - 2, Hari Nagar, Delhi - 110064, India
has been assessed and found to be in compliance with the requirements of the standard

ISO 9001:2015
 for the following scope :
**Manufacturing of Permanent Magnet Generator & Alternator,
 Wind Turbine Alternator, Permanent Magnet Synchronous
 Motor, Induction Alternator**

Certificate No. : 20A0208899

ISSUE DATE : 04/11/2020 1ST SURVEILLANCE : 03/11/2021
 EXPIRY DATE : 03/11/2023 2ND SURVEILLANCE : 03/11/2023

INTERNATIONAL QUALITY REGISTRATION SERVICES LTD
 111 East Street, Haverhill, MA, USA
 www.ukas.com

UDYAM REGISTRATION CERTIFICATE

FORM INFORMATION	NAME	MANUFACTURING
UDYAM REGISTRATION NO.	UDYAM/DELHI/2020/000000	INDUSTRIAL/2020/000000
NAME OF ENTERPRISE	J. D. ENGINEERING WORKS	
REGISTERED ADDRESS OF ENTERPRISE	Delhi	
NAME OF OWNER	J. D. ENGINEERING WORKS	
OFFICIAL ADDRESS OF ENTERPRISE	BE-343A, Gali No. - 2, Hari Nagar, Delhi - 110064, India	
DATE OF REGISTRATION	28/09/2020	
NAME OF REGISTERED OFFICER OF INDUSTRIAL CATEGORY	J. D. ENGINEERING WORKS	
NAME OF THE SUBSIDY BANK	SBI	

For any assistance, call 1800-1030292

1. DIC 081.00
 2. MSME 081.00

BE A CHAMPION with the Ministry of MSME

Certificate of Registration
 This is to certify that
The Environment Management System of
J. D. ENGG. WORKS
 BE - 343A, Gali No. - 2, Hari Nagar, Delhi - 110064, India
has been assessed and found to be in compliance with the requirements of the standard

ISO 14001:2015
 for the following scope :
**Manufacturing of Permanent Magnet Generator & Alternator,
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 Motor, Induction Alternator**

Certificate No. : 20A0208899

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4. Our advantages:

1. 10 years' experience for wind turbines up to 50kw and familiar with the market trends
2. Factory directly sale with reasonable price
3. Could do OEM with professional technical team
4. Prompt delivery for your urgent order

5. Project Cases

