



## Wind Turbine and Controller

JD-5000G	
Performance	
Rated power	5kw
Peak power	6kw
Start-up wind speed	3m/s
Working wind speed	4-30m/s
Survival wind speed	45m/s
Rotor	
Rotor diameter	4.6m
Blade	3pcs reinforced fiber glass
Blade length	2.3m
Shell material	Casting aluminum alloy
Rated RPM	300r/m
Weight	200kg
Others	
Generator type	3-phase AC PMG
Speed regulation & protection	Yawing + electromagnetic brake
Rated voltage	AC 48v
Working temperature	-40°C to +80°C

## Off-grid Controller

Product Model	WWS30-48-N
Rated Battery Voltage	48V
Rated Wind Turbine Input Power	5kW
Wind Turbine Brake Current	63A
Rated Solar Input Power	900W
Floating Charging Voltage	58V
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)	440×525×170mm
Net Weight	16 kg
<b>Data for Micro Current Charge Function (Just suitable for 48V Controller)</b>	
Wind Turbine Start Charge Voltage	24V
Dimension (L x W x H)	Controller Box: 440×300×170mm ; Dump load Box: 540×430×175mm
Net Weight	Controller Box:7kg ; Dump load Box: 16kg
<b>Data for Low Voltage Charge Function</b>	
Wind Turbine Start Charge Voltage	8
Input Admittance Value	10/30
Dimension (L x W x H)	Controller Box: 440×305×170mm ; Dump load Box: 540×430×175mm
Net Weight	Controller Box:7.5kg ; Dump load Box: 16kg

## Our Company

### 1. Company Profile

JD Engineering Works is a leading manufacturer 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

J. D. ENGINEERING WORKS, BE-343A, HARI NAGAR, NEW DELHI 110064

Website: <https://www.pmsgen.com>, Email: [sales@pmsgen.com](mailto:sales@pmsgen.com)

Ph. +91-011-41425940, +91-9999467601

help 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)

**UDYAM**  
REGISTRATION CERTIFICATE

Our small business for a better you career

NAME OF THE BUSINESS	M/s	SHARDA ENGINEERING
CATEGORY OF ENTERPRISE TYPE (MSME)	L1 (SYSTEMS & EQUIP)	
NAME OF ENTREPRENEUR	J. D. ENGINEERING WORKS	
NATURAL CATEGORY OF ENTREPRENEUR	General	
NAME OF GOODS	1. Electrical Engineering 2. Mechanical	1. Electrical Engineering 2. Mechanical
OFFICIAL ADDRESS OF ENTERPRISE	INDIA STATE: DELHI DISTRICT: CENTRAL DELHI LOCALITY: HARI NAGAR POSTAL CODE: 110064	INDIA STATE: DELHI DISTRICT: CENTRAL DELHI LOCALITY: HARI NAGAR POSTAL CODE: 110064
DATE OF COMMENCEMENT OF REGISTRATION OF BUSINESS	21/08/2020	
DATE OF CLOSURE OF REGISTRATION OF BUSINESS	21/08/2020	
NATIONAL CATEGORY CLASSIFICATION (MSME)	1. MSME (SME) 2. MSME (SME) 3. MSME (SME)	1. MSME (SME) 2. MSME (SME) 3. MSME (SME)
DATE OF ISSUANCE AND REGISTRATION	24/08/2021	

For more information, you may visit [www.udyam.gov.in](http://www.udyam.gov.in)

BE A CHAMPION WITH THE Ministry of MSME

**QUALITY CERTIFICATION**

**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,  
Wind Turbine Alternator, Permanent Magnet Synchronous  
Motor, Induction Alternator

Certificate No. : 20AAZ00008E

ISSUED DATE : 04/11/2020  
EXPIRY DATE : 03/11/2025

1ST SURVEILLANCE : 03/11/2021  
2ND SURVEILLANCE : 03/11/2022

Authorised Signatory  
INTERNATIONAL QUALITY CERTIFICATION SERVICES UK LTD  
175, West Street, London, SE1 3AP, UK

**COMPLIANCE CERTIFICATION**

**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. : 200H1113C

This certificate is based under the following conditions:  
1. It applies only to the above referenced set of products mentioned above. The manufacturer is obligated to assure that all products of the respective model conform to the type assessed in this certificate.  
2. The certificate validity is confirmed by the regular system of the surveillance audits.  
3. The Certificate remains valid until the manufacturing conditions, the quality system or relevant legislation are changed and until the certificate expires.  
4. After fulfilling the CE legislation requirements, the manufacturer shall affix to each product of the above referenced models, CE Marking according to the following manner:

Issued Date: 24/08/2020  
Expiry Date: 24/08/2022

1st Surveillance: 24/08/2021  
2nd Surveillance: 24/08/2022

INTERNATIONAL QUALITY REGISTRATION CERTIFICATION  
175, West Street, London, SE1 3AP, UK

**QUALITY CERTIFICATION**

**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. : 20AAZ00008D

ISSUED DATE : 04/11/2020  
EXPIRY DATE : 03/11/2025

1ST SURVEILLANCE : 03/11/2021  
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Authorised Signatory  
INTERNATIONAL QUALITY CERTIFICATION SERVICES UK LTD  
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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

