

**SUZLON**  
POWERING A GREENER TOMORROW

**S128**

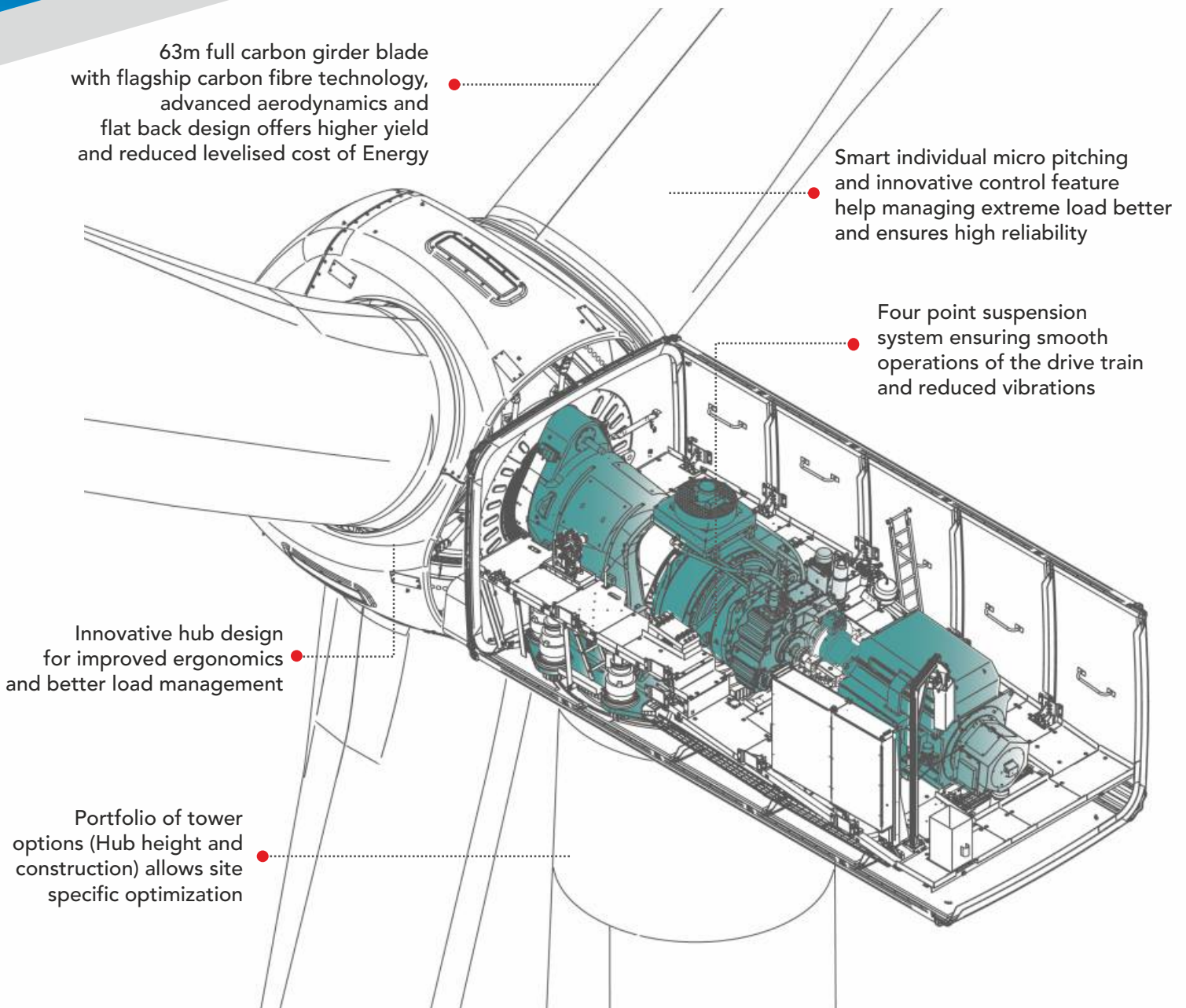


# THE SUZLON GROUP

Suzlon Group is among the world's leading renewable energy solutions provider and is spread across 18 countries in Asia, Australia, Europe, Africa and Americas. With over two decades of operational track record, the Group has a cumulative installation of over 18 GW of wind energy capacity, over 7,500 employees with diverse nationalities and several world-class manufacturing facilities.

Suzlon is the only Indian wind energy company with large in-house Research and Development (R&D) centres in Germany, the Netherlands, Denmark and India. Over 12 GW of the Group's installation is in India, accounting for ~35% of the country's wind installations, which makes Suzlon the largest player in this sector. The company has also forayed into the solar space. The Group headquartered at Suzlon One Earth in Pune, India comprises Suzlon Energy Limited and its subsidiaries.

## KEY DESIGN FEATURES



# S128

## SHIFTING THE PARADIGM

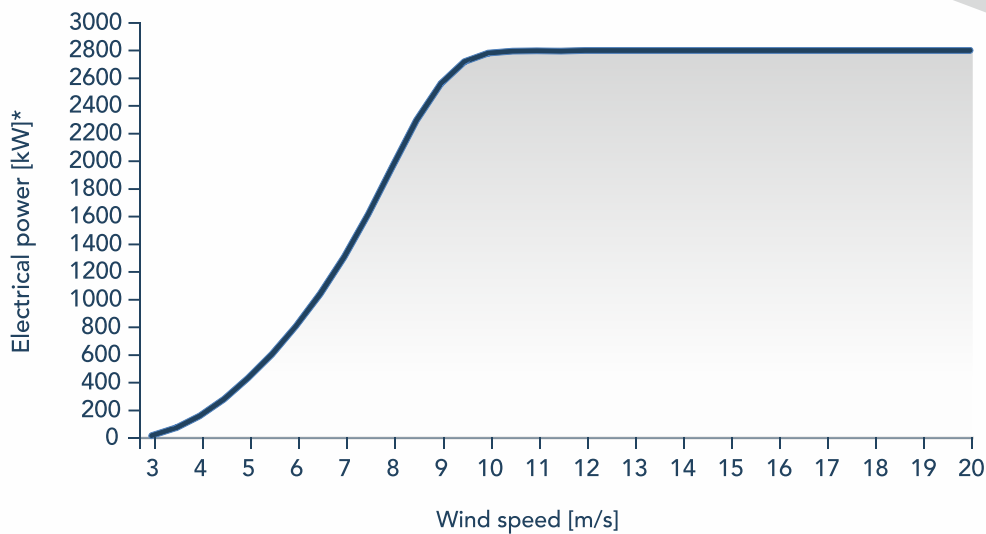
Suzlon's research and development experts across the globe has once again shifted the paradigm with S128 Wind Turbine Generator.

S128 meets the requirement of strictest grid regulations and is designed for moderate to low wind sites across the world.

63m long flagship carbon fibre technology blade allows lower weight and advanced aerodynamics along with flat back design offers higher yield.

Various Tower options for height and constructions allows site specific optimization, helping customers with best in class Levelised cost of energy.

## POWER CURVE

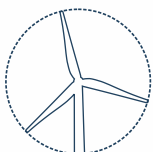


## TECHNICAL SPECIFICATIONS



### OPERATING DATA:

Wind class - IEC S  
Rated power - 2.7 MW  
Cut-in wind speed - 3.0m/s  
Rated wind speed - 9.5m/s  
Cut-out wind speed -  
30.0m/s (3-second average)  
20.0m/s (10-minute average)



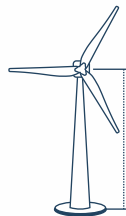
### ROTOR:

Rotor diameter - 129m  
Swept area - 13,070m<sup>2</sup>



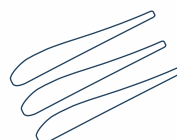
### GENERATOR:

Frequency - 50Hz / 60Hz  
Type - Slip ring asynchronous generator



### TOWER:

Hub heights - Up to 140m  
Type - Steel Tubular | Hybrid Lattice | Hybrid Concrete



### BLADE:

Make - Suzlon SB63

\*The power curve has been created according to IEC 61400-12 guidelines. The actual power curve on specific sites varies due to site-specific conditions.

INDIA

Delhi  
Suzlon Energy Ltd.  
9th Floor, Eros Corporate Tower  
Nehru Place, New Delhi 110 019, India  
Tel.: +91.11.4650 6000  
Email: marketing.india@suzlon.com  
Info-india@suzlon.com

Mumbai

Suzlon Energy Ltd.  
1207, 12th Floor, Raheja Centre  
Free Press Journal Marg  
Nariman Point  
Mumbai 400 021, India  
Tel.: +91.22.66393200  
Email: marketing.india@suzlon.com  
Info-india@suzlon.com

Chennai

Suzlon Energy Ltd.  
104-106, 1st floor, Delta Wing  
Raheja Towers, 177, Anna Salai  
Chennai 600 002, India  
Tel.: +91.44.6609 3000  
Email: marketing.india@suzlon.com  
Info-india@suzlon.com

AUSTRALIA

Suzlon Energy Australia Pty. Ltd.  
Level 1, 182-184 Stawell Street  
Burnley, Victoria 3121.  
Tel.: +1.773.328 5077  
Email: sea.sales@suzlon.com

EUROPE

Suzlon Energy A/S  
Brendstrupgaardsvej 13  
8200 Aarhus N, Denmark  
Tel.: +45.8943 8943  
Fax: +45.8943 8942  
info-europe@suzlon.com

NORTH AMERICA

Suzlon Wind Energy Corporation  
8750 W. Bryn Mawr Ave., Suite 300E  
Chicago, IL 60631, USA  
Tel.: +1.773.328 5077  
Email: info-northamerica@suzlon.com

SPAIN

Suzlon Wind Energy España, S.L.U.  
Calle de Rosario Pino  
14-16, 5ª planta  
28020 Madrid – Spain  
Tel.: +34 91 579 47 27  
Email: info-spain@suzlon.com

LATAM

Suzlon Energy A/S  
Branch Argentina  
Av. del Libertador 2442, piso 4, Olivos,  
Buenos Aires B1636DSR Argentina  
Tel.: +54 911 2455 6856  
E-mail: helmut.herold@suzlon.com

**SUZLON**  
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GROUP HEADQUARTERS  
One Earth, Hadapsar, Pune 411 028, India  
Tel.: +91.20.6702 2200 / +91.20.6135 6135  
Email: marketing.india@suzlon.com

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