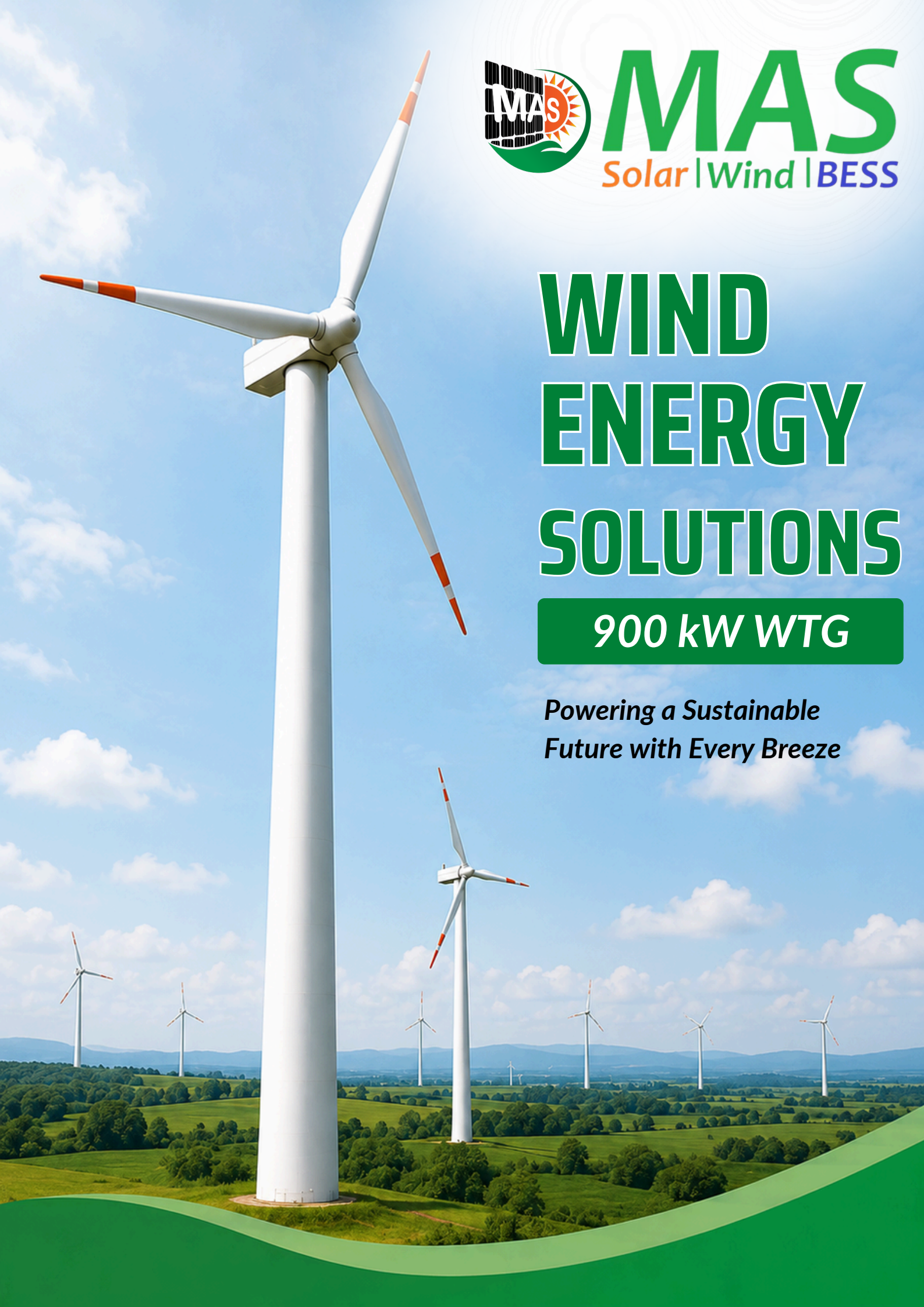

MAS
Solar | Wind | BESS
WIND ENERGY SOLUTIONS
900 kW WTG
Powering a Sustainable Future with Every Breeze

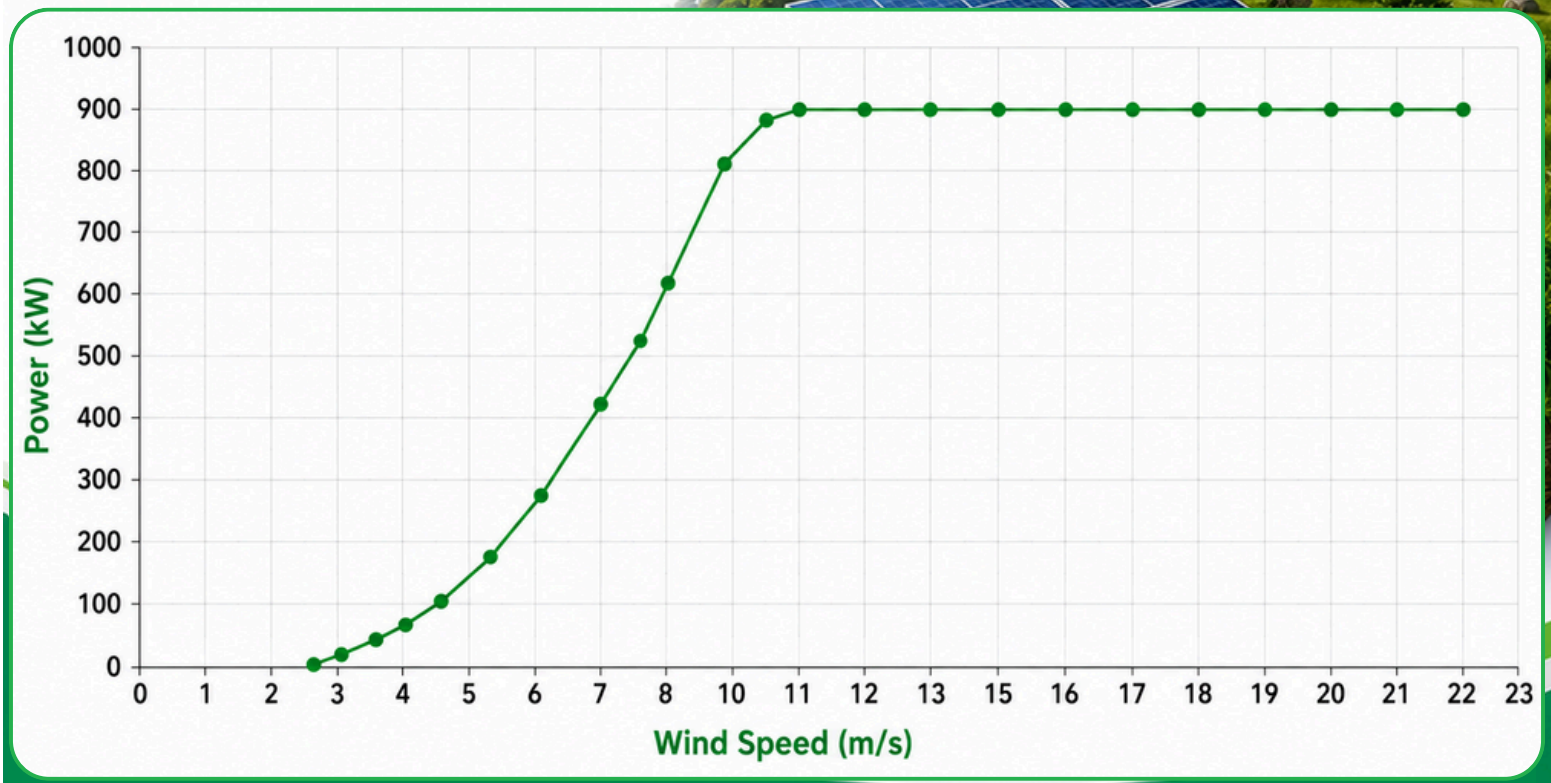
CORPORATE PROFILE

MAS Solar EPC Private Limited, established in August 2010 in Coimbatore, Tamil Nadu, is a renewable energy company with a strong and growing focus on wind energy solutions. The company is engaged in the engineering, supply, installation, commissioning, operation, and maintenance of Wind Turbine Generator (WTG) systems and wind power projects. With a team of experienced engineers, technocrats, and technical professionals, MAS Solar EPC Private Limited focuses on delivering reliable, efficient, and cost - effective wind energy solutions tailored to the requirements of different customers and project sites.

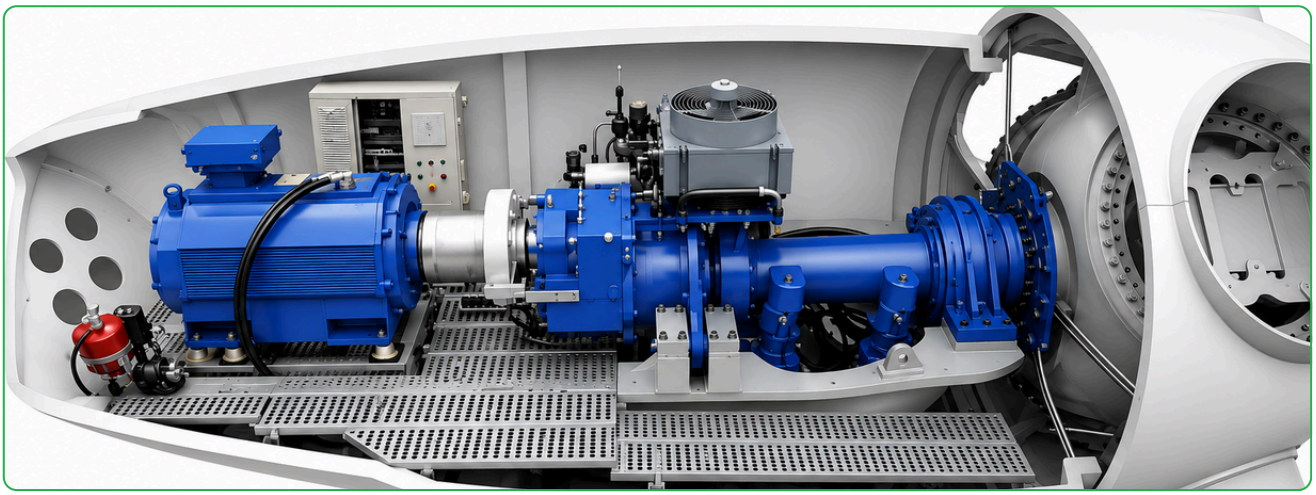
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POWER CURVE

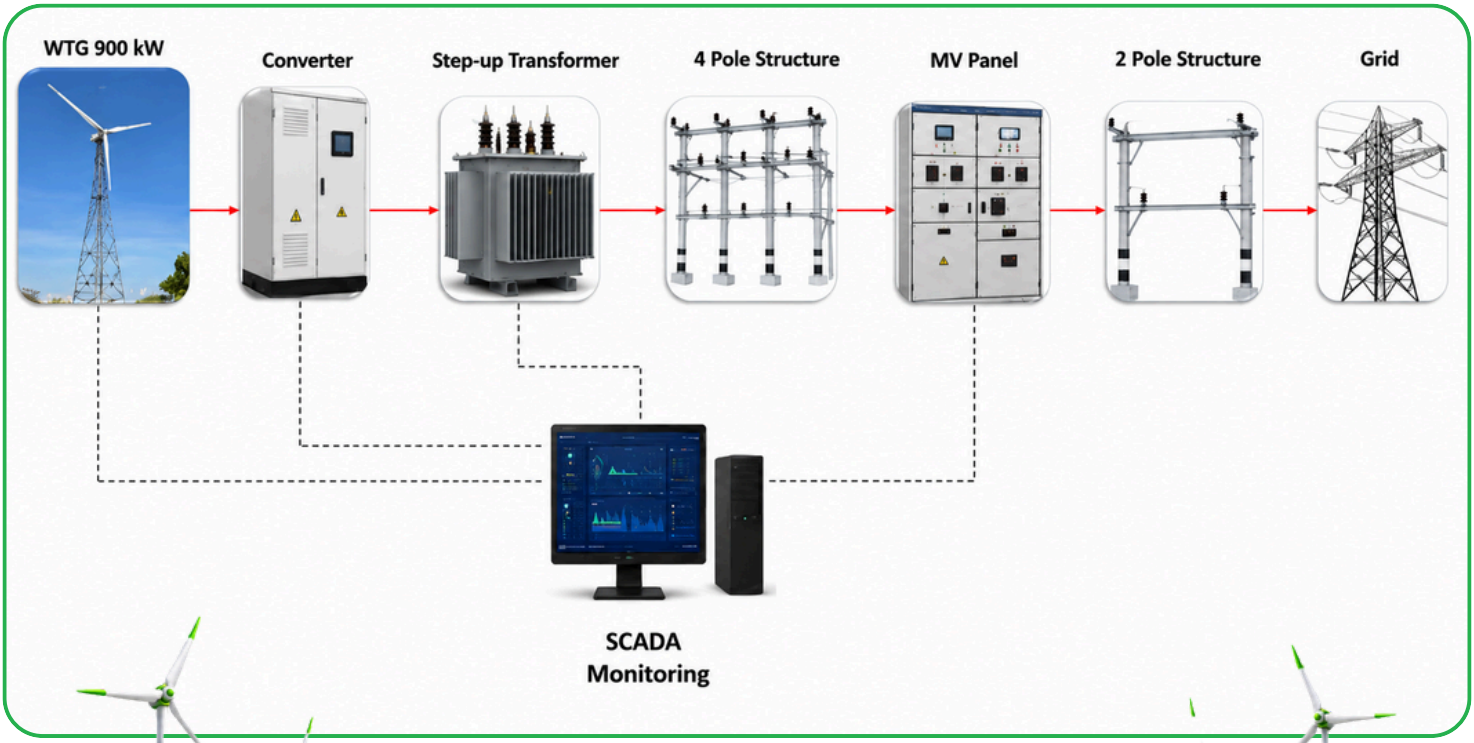


Product Overview



The 900 kW wind turbine is a modern and efficient wind energy system designed to meet the requirements of diverse wind farm applications. It features a 56 m rotor diameter and is suitable for IEC Class IIA wind conditions. Its optimized design and transportation-friendly configuration make it well suited for sites with challenging access and limited infrastructure.
The turbine can be equipped with a water-cooled asynchronous generator or an optional air-cooled permanent magnet synchronous generator. The full-scale power converter enables reliable grid integration, including operation with relatively weak electrical networks. An advanced cooling arrangement ensures stable and efficient performance under varying and demanding climatic conditions.

Functional Block Diagram - 900 kW (WTG)



TECHNICAL SPECIFICATIONS (WTG)

S.No.	Key Specification	900 kW
1	**Rated Power**	900 kW
2	**Generator Type**	Asynchronous
3	**Cut in Wind speed**	3 m/s
4	**Rated Wind Speed**	11.3 m/s
5	**Cut-out Wind Speed**	25 m/s
6	**Rotor Diameter**	56 m
7	**Swept Area**	2463 m^2
8	**Rotor Speed**	3 - 28 RPM
9	**Speed Control**	Pitch Control
10	**Wind Class**	IEC WT Class IIA and DIBt WZ III
11	**Gearbox**	3 Stage: 1 Planetary & 2 Spur Gear
12	**Gear Ratio**	1 : 54 : 2
13	**Mechanical Brake**	Disc Brake
14	**Yaw Drive**	Planetary Gear
15	**Gearbox Cooling**	Oil - Cooled
16	**Converter Cooling**	Liquid Cooled
17	**Converter Type**	Full Power IGBT Converter
18	**Tower**	Conical Steel Tower
19	**Hub Height**	59 m or 71 m
20	**Blade Length**	27 m
21	**SCADA**	Web SCADA



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More info