



KTN 60 / 60_{plus}

KTN Wind Turbines

KTN wind turbines provide cost-effective, highly reliable renewable energy in demanding environments worldwide.

Designed specifically for isolated grid and distributed generation applications, the KTN wind turbines are robust and reliable. KTN has drawn on 30 years of experience to engineer wind turbines that provide cost-effective, highly reliable renewable energy in a wide variety of applications.

Key features

Simplicity

High reliability and low maintenance were the focus in developing the KTN wind turbines. The design integrates industry proven robust components to maximize wind energy capture in rural, remote and harsh environment locations. The KTN wind turbines features a minimum of moving parts and vital subsystems to deliver high system availability. The uncomplicated rotor design allows safe, efficient turbine operation.

Serviceability

Our sophisticated control software allows full accessibility of the turbine thus minimizing unnecessary service calls. When a site visit is required, all service activities can occur within the tubular tower or nacelle housing, providing complete protection from harsh or unpredictable weather conditions. Designated work areas provide ample room to perform service activities.

Power Quality

The KTN wind turbines provide reliable power in distributed generation and village systems where the power grid is typically "soft and unbalanced." Our turbines can be connected to large power grids and remote wind-diesel configurations without inducing surges, effectively providing grid support rather than compromising it.

Technical Specifications

Operating data	KTN 60	KTN 60 _{plus}
Power rating	58 kW	60 kW
Cut-in wind speed	5 m/s	4 m/s
Cut out wind speed	30 m/s	30 m/s
Survival wind speed	53 m/s	53 m/s
Rotor		
Blades	3	3
Rotor diameter	18 m	24 m
Swept area	254 m ²	452 m ²
Rotor rpm	44,5	39,5
Tower		
Hub height	26 m	30 m
Power control		
Power control	stall	stall
Grid connection		
Grid voltage, three phase	400 V	400 V

Power curve	KTN 60	KTN 60 _{plus}
V, m/s	P, kW	P, kW
4	-	1
5	3	7
6	13	23
7	27	32
8	40	46
9	48	54
10	54	60
11	60	60
12	60	60
13	60	60
14	60	60
15	60	60
16	60	60
17	60	60

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