



**INFINITE**  
WIND ENERGY

Technical Specifications

# Dolphin 3.6/10/20/70

The Dolphin Series incorporates advanced wind turbine technologies developed by Infinite Wind Energy. These technologies increase energy output and bring faster ROI, when compared to other standard wind turbines under the same wind conditions. In addition, the simple design with direct drive generator reduces operating and maintenance costs significantly.

## Technical Specifications

# Dolphin 3.6/10/20/70

Model	Dolphin 3.6	Dolphin 10	Dolphin 20	Dolphin 70
Nominal Power	3.6kW	10kW	20kW	70kW
Generator	Permanent Magnet Generator			
Type	Permanent Magnet Generator			
Rated Power	4kW	11kW	22kW	80kW
Voltage	200-300V	300-500V		400-600V
Blade	Fiber Glass			
Blade Sets	2			
Blade Number	2/2			
Diameter	4m	8m	10m	15m
Blade Material	Fiber Glass			
Swept Area	12.6m <sup>2</sup>	50.3m <sup>2</sup>	78.5m <sup>2</sup>	176.7m <sup>2</sup>
Tower	Monopole/Hydraulic Monopole			
Type	Monopole/Hydraulic Monopole			
Height (Optional)	Varies depending on location/mounting type			
Material	Metal with UV coating			
Operating Conditions	2.5m/s			
Cut-in Wind Speed	2.5m/s			
Rated Wind Speed	8m/s	8.5m/s	8.5m/s	9m/s
Furling Wind Speed	15m/s			
Survival Wind Speed	45m/s			
Clutch/Brake	No (Direct drive)			
Clutch	No (Direct drive)			
Electric Brake (Dump Load)	Yes			
Extreme Wind Control	Natural Furling (with Disc Brake for 70kW)			
Inverter	Grid-Tie Inverter (UL Certified)			
Type	Grid-Tie Inverter (UL Certified)			
Rated Power	4kW	12kW	20kW	100kW
Operating Range/ Utility Voltage & Frequency	208, 220, 480 V AC, 3 Phase / 50Hz or 60Hz			
Total Weight without Tower	250kg	450kg	500kg	920kg

Subject to technical alterations without notice