



SOLAR STIK®

Marine Air Silent X Wind Turbine

12 VDC Item # 03-100007

Overview

The Air Silent X was developed specifically to be used aboard cruising sailboats. Its operation is very quiet or “silent” in all wind conditions. The Air Silent X has blue carbon-fiber blades, a very low start-up generation speed of 7 miles per hour (3.13 meters per second), and a maximum output power of 400 watts at 35 miles per hour (15.6 meters per second). Equipped with corrosion-resistant hardware and paint, the controls for the internally regulated Air Silent X are located “up tower,” which means there is no need for a separate wind control module. The Air Silent X can be easily integrated with other photovoltaic generation options.



General

Energy	90 Ah/day at 12 mph (5.5 m/s) average
Rated Power Output	400 W at 35 mph (15.6 m/s)
Start-up Wind Speed	7 mph (3.13 m/s)
Turbine Controller	Microprocessor-based smart internal regulator
Survival Wind Speed	110 mph (49.2 m/s)
Overspeed Protection	Electronic torque control
Warranty	1-year materials and workmanship

Connections

Power Connection	Inter-Connect leash
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Construction

Body	Cast aluminum with corrosion-resistant paint
Blades	(3) Hand laminated, carbon-fiber blue
Tail Leash	20-inch Tail Leash for manual turbine stopping

Weights and Dimensions

Assembled Weight	15 lb (5.9 kg)
Height	52 in (132 cm)
Rotor Diameter	46 in (117 cm)

Features

- Very quiet operation in all wind speeds
- ~90 Ah/day power generation at average wind speed of 12 mph
- Cast aluminum with corrosion-resistant paint
- Electronic high-wind protection; no mechanical braking
- Available for 12 VDC systems only

