



**aiR**<sup>TM</sup>

# COMPLETES ANY OFF GRID SYSTEM

- ✓ SIMPLE, AFFORDABLE, RELIABLE POWER
- ✓ EASILY INTEGRATES WITH SOLAR
- ✓ CARBON FIBER MULTICOLOR BLADE-HUB DESIGN
- ✓ NIGHT TIME POWER PRODUCTION
- ✓ OVER 180,000 UNITS INSTALLED SINCE 1995
- ✓ MADE IN THE USA

**aiR 40**

**aiR 30**

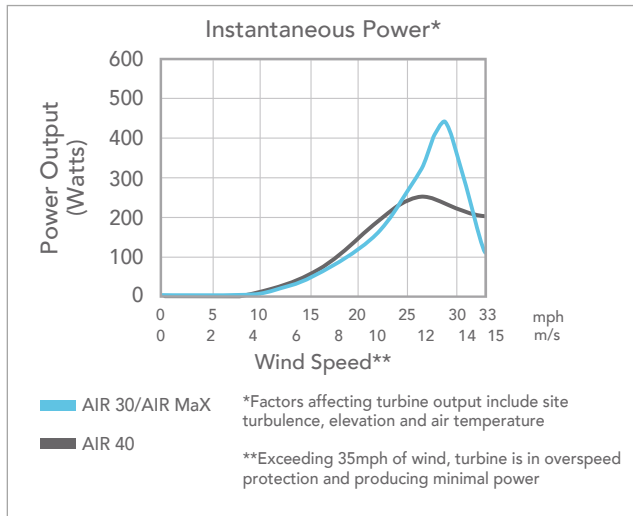
**aiR max**



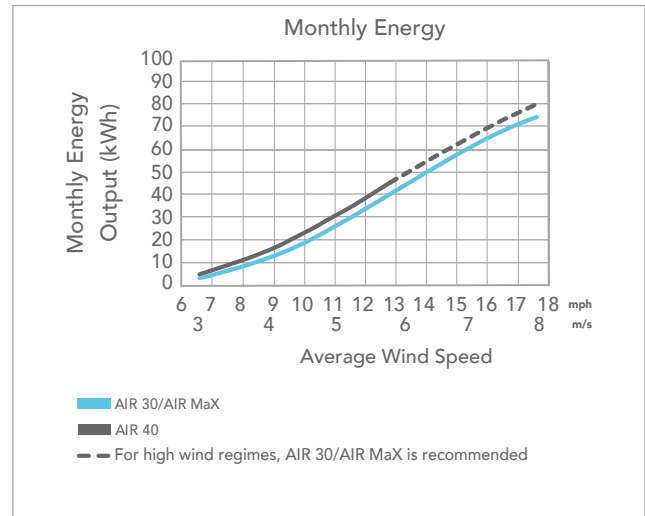


## TURBINE SPECIFICATIONS

AIR POWER CURVE



AIR ENERGY CURVE



### TECHNICAL SPECIFICATIONS

AIR 40/ AIR 30 / AIR MAXI	
ENERGY	AIR 40: Approx. 40 kWh/mo at 5.5 m/s (12 mph) AIR 30/AIR MaX: Approx. 30 kWh/mo at 5.5 m/s (12 mph)
OPTIMAL OPERATING ENVIRONMENT	AIR 40: Quiet operation in low to moderate wind regimes AIR 30: Industrial application in moderate to high wind regimes AIR MaX: Very quiet operation in moderate to high wind regimes
SWEPT AREA	1.07 m <sup>2</sup> (11.5 ft <sup>2</sup> )
ROTOR DIAMETER	1.17 m (46 in)
WEIGHT	5.9 kg (13 lb)
SHIPPING DIMENSIONS	686 x 318 x 229 mm (27 x 12.5 x 9 in) 7.7 kg (17 lb)
STARTUP WIND SPEED	AIR 40: 3.13 m/s (7 mph) AIR 30/AIR MaX: 3.59 m/s (8 mph)
VOLTAGE	12, 24 and 48 VDC
TURBINE CONTROLLER	Microprocessor-based smart controller
BODY	Grey cast aluminum housing with a basic finish
BLADES	AIR 40/30: (3) Injection-molded composite black AIR MaX: (3) Hand laminated, carbon fiber (with low sound emissions) - Multicolor with precision fit hub design
ALTERNATOR	Permanent magnet brushless
OVERSPEED PROTECTION	Electronic torque control
SURVIVAL WIND SPEED	40.2 m/s (90 mph)
MOUNT	1.5 in schedule 40 pipe 48 mm (1.9 in) outer diameter
WARRANTY	Up to 5 year warranty (3 year limited warranty - standard)
CERTIFICATIONS	CE, RoHS

### 3 AIR TURBINES - 3 BLADE SET TYPES

TURBINE	LOCATION	APPLICATION	WIND	SOUND
AIR 30	Land	Industrial O&G - Telecom	High	High
AIR MaX	Land	Residential - Educational	High	Very Low (CF Blades)
AIR 40	Land	Residential - Educational	Mod.	Low

\* All AIR Models are 12/24/48V - Turbine is voltage specific per the battery bank. Not field adjustable.

\*\* All 2021 AIR turbines are Lithium-Ion Battery compatible.

