



# **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

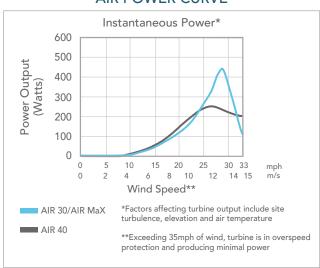
**ai**R 40 **ai**(30 **aiR**max



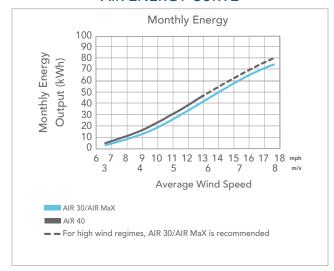


## **TURBINE SPECIFICATIONS**

#### 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 m2 (11.5 ft2 )				
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	Mircoprocessor-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)				
CERTIFICTIONS	<b>(€ ⑤</b>				

#### 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 Battey compatible.

