



VARI-CYCLONE Indoor/Outdoor DC Ceiling Fans

Features:

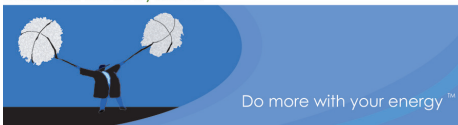
- Can be mounted 10" to 48" from ceiling (16" down rod included, custom rods can be made)
- Can be ordered with either 3 or 4 blades
- Can be ordered in solid white or unpainted (black body with white blades and arms)
- Body parts are made from injection molded, glass filled ABS plastic
- Blade arms are stamped steel with a white enamel finish
- Blades are injection molded white ABS plastic
- Maximum ambient operating temperature of 104°F/40°C

The Vari-Cyclone DC Powered Ceiling Fan is the perfect choice for when AC power is not available. The Vari-Cyclone can be used in a variety of indoor/outdoor applications including porches, gazebos, pergolas, greenhouses, warehouses and cabins.



The Vari-Cyclone's 60" diameter blades, designed by the Florida Solar Energy Center in cooperation with a major fan manufacturer utilize "Gossamer Wind Technology" found only in AC powered fans until now. We are the only DC fan company allowed to use these revolutionary new fan blades. The "Gossamer Wind Technology" blades allow the fan to produce up to 40% more air flow with no increase in power consumption, making the Vari-Cyclone the most energy efficient DC powered ceiling fan available.

The Vari-Cyclone is powered by a permanent magnet, TENV (totally enclosed non-ventilated) motor with long life brushes. The Vari-Cyclone draws 0.5 amps @ 12VDC and 0.78 amps at 24VDC. At 12VDC the 3-blade fan will have approximately 102 rpm moving 1,476 CFM when mounted at least 8 feet above the floor in an open room. At 24VDC the 3-blade fan will have approximately 138 rpm moving 3,925 CFM when mounted at least 8 feet above the floor in an open room.



TECHNICAL SPECIFICATIONS

VARI-CYCLONE:

For maximum efficiency use the Nextek Power Systems Speed Control in conjunction with the Vari-Cyclone DC Powered Ceiling Fans. The Speed Control makes clockwise and counter-clockwise rotation possible.

3-Blade Vari-Cyclone



Diam. of blade swing:	60 inches (1.52 m)
Weight of fan:	14 lbs. (6.35 kg)
Shipping weight:	17 lbs. (7.7 kg)
Amps:	0.5 @ 12VDC 0.78 @ 24VDC
Watts:	2 @ 9VDC 4 @ 12VDC 13 @ 24VDC
RPM:	75 @ 9VDC 102 @ 12VDC 138 @ 24VDC
CFM:	852 @ 9VDC 1,476 @ 12VDC 3,925 @ 24VDC

4-Blade Vari-Cyclone



Diam. of blade swing:	60 inches (1.52 m)
Weight of fan:	15 lbs. (6.80 kg)
Shipping weight:	18 lbs. (8.2 kg)
Amps:	0.5 @ 12VDC 0.78 @ 24VDC
Watts:	2 @ 9VDC 4 @ 12VDC 15 @ 24VDC
RPM:	66 @ 9VDC 83 @ 12VDC 117 @ 24VDC
CFM:	1,221 @ 9VDC 1,820 @ 12VDC 3,600 @ 24VDC

12.6 WATT SOLAR PANEL:

These panels are glass laminated with aluminum frames with junction boxes on the back.

Peak power (watts)	12.6
Peak power (volts)	21.65
Peak power (amps)	0.66
Nominal voltage	18
Length:	17.4 inches (43.5cm)
Width:	11.4 inches (28.5cm)
Weight:	5 lbs. (2.2kg)
Shipping weight:	7 lbs. (3.2kg)

SPEED CONTROL:

This unit provides an adjustable 12 to 30 VDC from an input of 11 to 24VDC. It has a voltage control POT with an On\Off switch to change the fans' direction. It is overload protected by input and output self resetting fuses. This unit will fit in a single gang electrical box.

