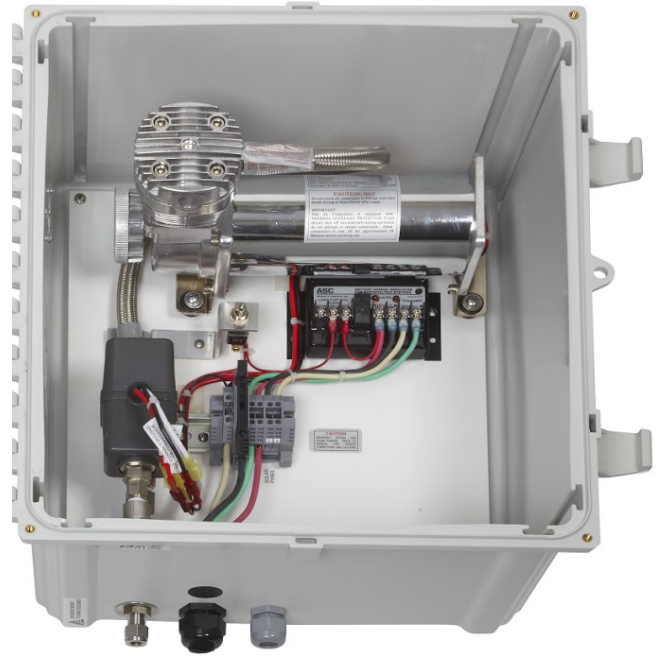


SOLAR POWERED AIR COMPRESSOR

A.C.T. Part # (varies with the customization options)

DESCRIPTION

The Alert Control Technologies Solar Powered Air Compressor (S.P.A.C.) is an easy to install compressed air solution that provides an automatic and reliable source of compressed air for remote locations. The entire S.P.A.C. package is controlled by an electronic pressure switch that senses when the pressure in the 10-gallon tank (included) falls below 85 psi; when pressure drops the compressor automatically runs and fills the tank until pressure is restored to 105psi then shuts off. The system is powered by a Sealed Lead Acid 12VDC battery that, when the available voltage drops, is recharged by the specified solar panel configuration*.



FEATURES

- **Air Compressor** provides a reliable source of compressed air for remote locations
- **10 Gal. Tank** provides a large capacity and ensures operation when needed
- **Solar Power** provides an off the grid, virtually unlimited power source for recharging the units' battery
- **Power Switch** allows the operator to manually enable or disable the unit
- **Automated Control** prevents the need for user inter- action after installation with normal use.
- **Pressure sensing switch** automatically starts and stops the tank fill process when the system pressure drops below the built in high and low pressure points.
- **Product Warranty** guarantees that all A.C.T. manufactured products are free from defects under normal operating conditions for 1 year from the purchase date

WHAT'S INCLUDED

- Air Compressor Unit housed in a 16" x 14" Polycarbonate enclosure
- Air Receiver Tank Assembly
- All weather battery enclosure containing a 100Ah Sealed Lead Acid 12VDC battery
- Solar Panel Assembly with mounting bracket and power leads*
- AWG 14 - Battery Power leads
- AWG 04 - Battery Power leads

* The part number of this product varies with the customization options selected

CONFIGURATION OPTIONS*

The Solar Powered Air Compressor can operate with a variety of configurations and sizes of solar panels.

Alert Control Technologies Part #	Solar Panel Size	Additional Feature
VIA-AS003-001	50 Watt Solar Panel	Standard
VIA-AS003-012	125 Watt Solar Panel	Standard
VIA-AS003-014	50 Watt Solar Panel	Low Voltage Disconnect

AIR TANK SPECIFICATIONS

Max. Pressure allowed by Switch	105 PSI
Tank Maximum Pressure	150 PSI
Maximum Capacity	10 Gal.
Safety Valve Release Point	150 PSI

SOLAR PANEL SPECIFICATIONS (50 & 125 Watt)

Maximum Power (Pmax)	50 Watt	85 Watt
Optimum Operating Voltage (Vmp)	17.64 Volts	17.64 Volts
Optimum Operating Current (Imp)	2.83 Amps	4.82 Amps
Open Circuit Voltage (Voc)	21.6 Volts	21.6 Volts
Short Circuit Voltage (Isc)	3.04 Amps	5.16 Amps
Nominal Voltage (V)	12 Volts	12 Volts

COMPRESSOR SPECIFICATIONS

Tank Max Pressure allowed by Switch	105 PSI
Typical Current Consumption (@ 100 PSI)	20 Amps
Max. Working Pressure	200 PSI
Max. Duty Cycle @72°F & 100PSI	100%
Ambient Min/Max Temperature	-40° F/158° F
Tank Safety Valve Release Pressure	150 PSI

BATTERY SPECIFICATIONS

See included PDF.

* The part number of this product varies with the customization options selected

