



Axiom Technologies, LLC

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Single Solar Air Compressors

- Eliminates natural gas emissions sourced by instruments at the well site
- Built and tested for dependability. More than 3,600 hours running without any maintenance
- Modbus communication allows remote reporting of all events
- Microcontroller logs and stores system events
- 140 Watt Solar Panel (Expandable)
- Extended run time with two 110 Ah deep cycle batteries (Expandable)



General Specifications:

Operating Voltage	: 12 vdc
Power Source	: Photovoltaic (Typical). Options: - Commercial AC power - External 12vdc source
Energy Storage	: 12 vdc, sealed lead acid batteries (AH capacity to be determined by application)
Battery Bank Temperature Range	: -40 to 60°C (Discharge) -20 to 50°C (Charge)
Electronic Modules (Expandable)	: - Battery Charger and Compressor Controller - Compressor Driver(s)
Controller - Battery Charger	: 20 Amp Maximum Solar Array Current (Expandable)
Controller - Compressor Drivers	: Independent control of up to two (2) air compressors
Compressor Driver	: Soft start, continuous duty 75A max.
Electronic Mods. Temperature Range	: -20 to 70°C
Air Compressor Standard Duty	: 100% Duty Cycle at 100psi and 72°F
Normal Operating Pressure Output	: Compressor - Up to 100psi for pneumatic safety valves (higher pressures available)
Air Receiver	: Stainless Steel
Water Condensation Removal	: Automated Valve
Standard System Warranty	: Parts and labor - one year from installation



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SOLAR AIR COMPRESSOR - BLOCK DIAGRAM

