**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 : - Battery Charger and Compressor Controller

(Expandable) - 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
SOLAR AIR COMPRESSOR - BLOCK DIAGRAM

- Compressor Driver
- Receiver
- Compressor
- SCADA System
- RS485 - Control
- RS485 - Reporting
- Safety System
- Safety Valve