



MOBILE SOLAR T60 POWER PLANT

Manufacturer: Solar Turbines Inc., a Caterpillar Company

Rating: 5.67 MW @ ISO Conditions

Model: Solar Turbines Taurus 60 7901S

Serial number: TG08891

Configuration: Trailer Mounted Mobile Power Unit.

Combustion System: Dual Fuel SoLoNox Low Emission Configuration.

Hours since new: Less than 2,500 hours

Turbine starts: Less than 300

Year of Manufacture: 2009

Voltage & Frequency: 13.8 to 12.47 kV @ 60 Hz.

THREE (3) AXLE TURBINE TRAILER WITH:

- Engine: Solar Taurus 60 Gas Turbine Dual Fuel (SoLoNox), 5.67 MW
- Gear: Solar Taurus 60 reduction gear box.
- Generator: Kato Frame 4P10.7-3600, 60 Hz, 12.47kV and 13.8kV @ 1,800 RPM
- Base: Structural Steel Base for Engine, Gear, Generator, & Weather Proof Enclosure
- Enclosure: Weather Proof Acoustic (85dba @ 1 M) Enclosure to House Engine, Gear, & Generator with ventilation air inlet and discharge ducts
- Air Inlet: Donaldson Self Cleaning (Huff & Puff) combustion Air Inlet Filtration.
- Air Inlet Silencer: Donaldson
- Exhaust Silencer with 10 ft. (3M) extension stack
- Lube Oil Sump w/ Duplex Filters.
- AC and DC Pre and Post Lube Pumps.
- Fire Detection and Suppression System
- Combustible Gas Monitor
- Liquid fuel booster pump with duplex filter.
- Air compressor and receiver
- Solar Turbotronic 4 control system



- Combined Generator Control Module (CGCM)..
- Water Wash Cart.
- 2 Axle boosters for connection to 3 axle trailer during transport.

TWO (2) AXLE ELECTRICAL EQUIPMENT ROOM

- 13.8 kV switchgear including Generator Main Circuit Breaker and auxiliary 13.8kV to 480vac step down Transformer Feeder Circuit Breaker, Bus PTs, Feeder CTs, Metering CTs and PTs, Beckwith M-3425 Protective Relay Module, Lightning Arrestor and Surge Capacitor.
- Neutral Grounding Resistor
- 480vac Motor Control Center. Serves Turbine Generator Auxiliary Loads
- 120VDC Turbine Generator Battery System with Charger
- 120VDC Switchgear Battery System with Charger
- Turbine Start Motor Variable Frequency Drive (VFD)
- Solar Turbotronic 4 remote video display terminal.
- Interior Lighting
- CO2 Bottles
- Electrical Equipment Room HVAC system
- Lube Oil Cooler
- 13.8kV interconnect cable between Turbine and Electrical Equipment Room.
- Quick connect low voltage and control power cables with connectors between Turbine and Electrical Equipment Room.
- Emergency Eyewash Station

III. Filter Coalescer Not Included

Ready for lease or purchase

NSV Energy LLC
35 Hickory Springs Industrial Drive
Canton GA 30115

