

SPECIFICATIONS



14.1 MW 2007 Used Solar Taurus 60 (7901 GSC) Natural Gas Generator Sets

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Description

This gas turbine generator set delivers high-capacity, continuous-duty power generation ideal for large-scale industrial facilities, distributed generation projects, and peaking power applications. Featuring a single-shaft industrial gas turbine with advanced aerodynamic design and proven operational heritage, this unit operates on pipeline natural gas with optional dual-fuel capability for liquid fuels. With a 2007 manufacture date and documented service history, this pre-owned turbine package offers rapid deployment capability and substantial capital cost savings compared to new equipment—making it an economically attractive solution for projects requiring multi-megawatt baseload or intermediate-duty power.

Rated at 4,700 kW (ISO conditions) at 3,600 RPM (60 Hz) or 3,000 RPM (50 Hz), the turbine delivers electrical efficiency of approximately 31-33% in simple cycle mode, with total efficiency exceeding 75% when configured for combined heat and power (CHP). Exhaust gas flow of ~100,000 lb/hr at 900-950°F enables substantial heat recovery for steam generation, absorption chillers, or process heating. Output voltage is configurable from 4.16kV to 13.8kV.

KEY FEATURES:

- Single-shaft industrial gas turbine with two-stage power turbine
- Dry low NOx (DLN) combustion system achieving <25 ppm Nox
- Heat recovery steam generator (HRSG) compatibility for cogeneration
- Modular design for simplified maintenance and hot section inspections

ADVANTAGES

- Fuel flexibility: natural gas, propane, and liquid fuel capability
- Lower emissions profile than reciprocating engines at this scale
- Ideal for grid stabilization, demand response, and merchant power applications

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Manufacturer	Solar Turbines
Model	Taurus 60 (7901 GSC)
Year	2007
Condition	Used
Location	Asia
Qty Available	3 Units
Category	Natural Gas Turbines
Subcategory	10 – 99 MW
Stock Number	USP010503
Wattage	14.1 MW (4.7 MW ea)
Hours	16000 – 19000 hours
Frequency	50 Hz
Fuel Type	Natural Gas
Voltage	11000 Volts
Balance of Plant Available? (BOP)	-

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Asset Photos

