

800 kW SOLAR SATURN MOBILE GENERATOR FLARE GAS PACKAGE



Year Of Packaging & Refurb	2022
Engine Manufacture	TURBINE-X Energy Inc.
Packaged By	TURBINE-X Energy Inc.
Turbine Power Plant	Solar Saturn T1301
Horsepower	1,300 HP
Heat Rate (Approx.)	10,910 Btu/BHP-Hr
Turbine Speed	22,300 RPM
KW Output	750 kW Continuous (ISO)
Generator	EM BEMAC II 800 kW 3PH 60Hz 1800 RPM 4,160 Volt (Transformer to 480V or 25kV Available)
Reduction Gear Box	Solar Epicycle S10 1,800 RPM – Overhauled
Fuel	Natural Gas – Sour fuel ready
Control System	Motiv TCS
Start System	Electric with battery bank
Switchgear	Paralelling ready & grid connect ready
Line Protection	Yes
Condition	Turbine is overhauled, 0 hour. Package refurbished.
Warranty	Yes
FOB	Nisku, Alberta
Purchase Price	Request pricing
Monthly Rental	Request pricing

Flat Rate LTSA (Long Term Service Agreement)	TBD USD per month based on natural gas operation 48 month LTSA, (a premium may be charged depending on sour gas level to increase overhaul frequency)
LTSA Includes	Full warranty, 2 service visits per year, (blade wash & inspection). Turbine accessory drive and gearbox overhaul after 48 months. Emergency repairs deemed warrantable. Oil, oil filters and air filters required for change every 18 months.
LTSA Excludes	Emergency repairs deemed not warrantable due to equipment neglect or miss use. Travel, accommodation and subsistence for servicing visits or emergency repair visits. Extra servicing visits, repairs required or early overhaul due to consumption of sour gas.

Note: LTSA (Long term service agreement) is required for leasing and rental contracts.

Note: Lease rates may fluctuate based on the credit review for each client.

Note: Minimum rental period is 12 months.

Note: Prices are plus GST, freight, set-up, start-up, commissioning, installation etc.



Overhauled, 0 Hour Solar T1401 Gas Turbine



Control System Interface

EXPECTED EMISSIONS

ISO_NOX	47.1	PPMV
NOX	61.3	PPMV Corrected to 15% O2
CO	46.3	PPMV Corrected to 15% O2
HC	2.1	PPMV Corrected to 15% O2
O2	16.78	%
CO2	2.41	%

Note: These numbers are average at ISO conditions on pipeline grade natural gas. Actuals may vary.



For more information, please contact us at: +1 (780) 770-8885 or sales@turbine-x.com
Or visit our website at: x-group.com