



# TM2500

## AERODERIVATIVE PACKAGE

SWITCHING FROM A DIESEL ENGINE AND ELECTRIC GENERATOR (DIESEL GENSET) TO A TM2500 BURNING NATURAL GAS CAN SAVE UP TO \$8 MILLION PER YEAR IN OPERATING COSTS.

**~37 MW**  
SIMPLE CYCLE OUTPUT

**~40%**  
SIMPLE CYCLE  
EFFICIENCY

**50/60**  
HZ

The TM2500 package is ideal for providing a baseload bridge to permanent power installations or for generating backup power in the wake of emergencies like natural disasters, plant shutdowns, or grid instability. Our complete solutions, including a trailer-mounted gas turbine generator set and containerized balance-of-plant, can put power on the grid within as little as 30 days of the contract signature. This fast power provides the greatest power density among gas turbine trailer-mounted offerings.

		TM2500 SAC	TM2500 DLE
SC PLANT PERFORMANCE	SC Net Output (MW)	34.6/36.9 <sup>++</sup>	34.5/34.4 <sup>++</sup>
	SC Net Heat Rate (Btu/kWh, LHV)	9814/9377 <sup>++</sup>	8648/8557 <sup>++</sup>
	SC Net Heat Rate (kJ/kWh, LHV)	10354/9893 <sup>++</sup>	9124/9028 <sup>++</sup>
	SC Net Efficiency (% LHV)	34.8% 36.4% <sup>++</sup>	39.5%/39.9% <sup>++</sup>
	Fast Start Capability (Minutes)	5	5
1X CC PLANT PERFORMANCE	CC Net Output (MW)	49.5/51.5 <sup>++</sup>	47.9/47.5 <sup>++</sup>
	CC Net Heat Rate (Btu/kWh, LHV)	6833/6701 <sup>++</sup>	6209/6175 <sup>++</sup>
	CC Net Heat Rate (kJ/kWh, LHV)	7209/7070 <sup>++</sup>	6551/6515 <sup>++</sup>
	CC Net Efficiency (% LHV)	49.9%/50.9% <sup>++</sup>	55.0%/55.3% <sup>++</sup>
	Plant Turndown – Minimum Load (%)	35.0%	35.0%
	Ramp Rate (MW/min)	30	30
	Startup Time (RR Hot <sup>†</sup> , Minutes)	30	30
2X CC PLANT PERFORMANCE	CC Net Output (MW)	99.9/103.9 <sup>++</sup>	96.5/95.8 <sup>++</sup>
	CC Net Heat Rate (Btu/kWh, LHV)	6776/6640 <sup>++</sup>	6160/6124 <sup>++</sup>
	CC Net Heat Rate (kJ/kWh, LHV)	7149/7006 <sup>++</sup>	6499/6461 <sup>++</sup>
	CC Net Efficiency (% LHV)	50.4%/51.4% <sup>++</sup>	55.4%/55.7% <sup>++</sup>
	Plant Turndown – Minimum Load (%)	35.0%	35.0%
	Ramp Rate (MW/min)	60	60
	Startup Time (RR Hot <sup>†</sup> , Minutes)	30	30

NOTE: Net Plant ratings are based on ISO conditions, natural gas, inlet and exhaust losses included and balance of plant equipment excluded. Actual performance will vary with project specific conditions, fuel and ambient conditions. 2PNRH = Two pressure, non-reheat.

<sup>†</sup> Rapid Response/Hot Start

<sup>++</sup> 50 Hz/60 Hz

TO LEARN MORE ABOUT THIS OFFERING, CONTACT YOUR SALES REPRESENTATIVE OR VISIT

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Up to **35%** Hydrogen (H<sub>2</sub>) Capability