

LM2500



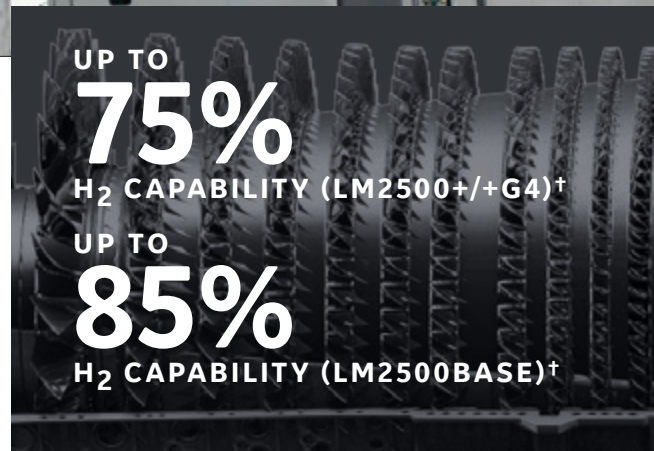
AERODERIVATIVE GAS TURBINE

50/60_{HZ}

>34 MW SIMPLE CYCLE OUTPUT

>38% SIMPLE CYCLE EFFICIENCY

IDEAL FOR PEAKING AND CHP APPLICATIONS, THE LM2500 DELIVERS POWER WITH RELIABILITY GREATER THAN 99 PERCENT AND AVAILABILITY GREATER THAN 98 PERCENT.



	LM2500 DLE	LM2500+ DLE	LM2500+G4 DLE	
SC PLANT PERFORMANCE	SC Net Output (MW)	22.9	31.4	34.1
	SC Net Heat Rate (Btu/kWh, LHV)	9,557	8,959	8,827
	SC Net Heat Rate (kJ/kWh, LHV)	10,083	9,452	9,312
	SC Net Efficiency (% LHV)	35.7%	38.1%	38.7%
1X CC PLANT PERFORMANCE	CC Net Output (MW)	33.5	44.0	48.0
	CC Net Heat Rate (Btu/kWh, LHV)	6,510	6,441	6,253
	CC Net Heat Rate (kJ/kWh, LHV)	6,869	6,597	6,597
	CC Net Efficiency (% LHV)	52.4%	54.6%	54.6%
	Plant Turndown - Minimum Load (%)	34.0%	35.0%	35.0%
	Ramp Rate (MW/min)	30	30	30
	Startup Time (RR Hot†, Minutes)	30	30	30
2X CC PLANT PERFORMANCE	CC Net Output (MW)	67.7	88.8	96.5
	CC Net Heat Rate (Btu/kWh, LHV)	6,447	6,210	6,215
	CC Net Heat Rate (kJ/kWh, LHV)	6,802	6,551	6,558
	CC Net Efficiency (% LHV)	52.9%	53.4%	54.9%
	Plant Turndown - Minimum Load (%)	17.0%	18.0%	18.0%
	Ramp Rate (MW/min)	60	60	60
	Startup Time (RR Hot†, Minutes)	30	30	30

The LM2500's high efficiency helps reduce operating costs, plant emissions, and reliance on the local grid. With its dual fuel capability, including singular annular combustor (SAC) or dry low emissions (DLE) technology, the LM2500 delivers performance with low emissions in a variety of situations and water availability scenarios. It features high reliability with control system redundancy, along with multiple options for configuration, making it a great choice for customers who need a more tailored power generation solution. The LM2500's cycling capability allows multiple daily starts and stops, providing a strong solution for grids with penetration of renewable generation. Its open configuration allows for faster accessibility, easier maintenance, and increased speed of engine removal/replacement.

† Engine capability only

© 2022 GE. All rights reserved.

GEA32937B (03/2022)

NOTE: All ratings are net plant, based on ISO conditions and natural gas fuel. Actual performance will vary with project-specific conditions and fuel.

† Rapid Response/Hot Start