

LM6000



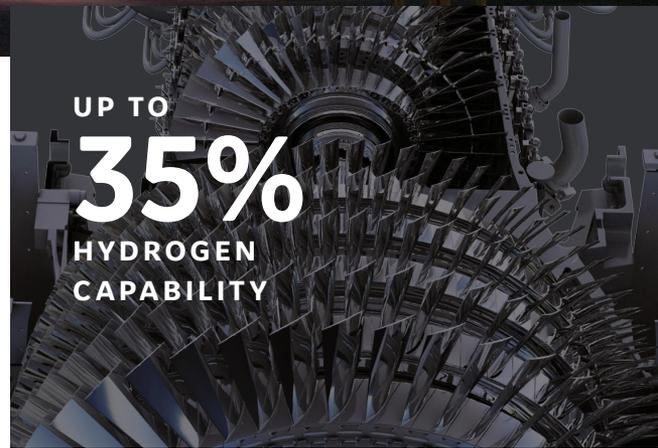
AERODERIVATIVE GAS TURBINE

50/60_{Hz}

53 MW SIMPLE CYCLE OUTPUT

>40% SIMPLE CYCLE EFFICIENCY

GE'S FIRST GAS TURBINE TO BE PAIRED WITH A BATTERY ENERGY STORAGE SYSTEM. FOUR UNITS ARE ALREADY IN OPERATION, AND THE TECHNOLOGY IS EXPANDING TO CREATE A NEW "HYBRID" PRODUCT LINE.



	LM6000 PC	LM6000 PF+	
SC PLANT PERFORMANCE	SC Net Output (MW)	46.6	53.9
	SC Net Heat Rate (Btu/kWh, LHV)	8,533	8,357
	SC Net Heat Rate (kJ/kWh, LHV)	9,002	8,817
	SC Net Efficiency (% LHV)	40.0%	40.8%
1X CC PLANT PERFORMANCE	CC Net Output (MW)	60.3	72.4
	CC Net Heat Rate (Btu/kWh, LHV)	6,571	6,170
	CC Net Heat Rate (kJ/kWh, LHV)	6,932	6,510
	CC Net Efficiency (% LHV)	51.9%	55.3%
	Plant Turndown - Minimum Load (%)	19.0%	37.0%
	Ramp Rate (MW/min)	30	30
	Startup Time (RR Hot [†] , Minutes)	30	30
2X CC PLANT PERFORMANCE	CC Net Output (MW)	121.1	145.6
	CC Net Heat Rate (Btu/kWh, LHV)	6,541	6,134
	CC Net Heat Rate (kJ/kWh, LHV)	6,902	6,472
	CC Net Efficiency (% LHV)	52.2%	55.6%
	Plant Turndown - Minimum Load (%)	19.0%	18.0%
	Ramp Rate (MW/min)	60	60
Startup Time (RR Hot [†] , Minutes)	30	30	

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

Over 40 million operating hours and more than 1,320 units shipped makes GE's LM6000 aeroderivative gas turbine a leader in the +40 MW space. The LM6000 offers greater than 99 percent start and operational reliability and greater than 98 percent availability. Its 5-minute fast start allows operators to differentiate their dispatch capability while a simple two-spool configuration results in lower overall maintenance costs. Universal and modular packaging gives the LM6000 a smaller footprint and allows for faster installation and commissioning.

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