



LM2500 POWER PLANTS 50 Hz

21-34 MW
SIMPLE CYCLE OUTPUT

UP TO 38.5%
EFFICIENCY

97+ MILLION
OPERATING HOURS



CAPABILITY

Great for combined cycle, onshore and offshore power generation, mechanical drive, and cogeneration



VERSATILITY

Accommodates a wide variety of fuels, including coke oven gas, naphtha, propane, diesel, ethanol, and LNG



SUSTAINABILITY

Multiple technology options available to lower NO_x and other emissions concerns

With more than 2,500 units sold and more than 97 million operating hours, GE's LM2500 is the top-selling gas turbine globally. The LM2500 works well for CHP applications between 20 and 40 MW and its greater than 85 percent efficiency helps reduce operating costs, plant emissions, and reliance on the local grid. A lightweight and compact modular design complements the universal packaging, which improves accessibility for maintenance. The LM2500 delivers power with reliability greater than 99 percent and availability greater than 98 percent.

	LM2500 DLE	LM2500+ DLE	LM2500+G4 DLE
Simple cycle specifications			
Net output (MW)	21.8	30.1	32.50
Net heat rate (Btu/kWh, LHV)	9,835	9,338	9,352
Net heat rate (kJ/kWh, LHV)	10,376	9,852	9,867
Net efficiency	34.7%	36.5%	36.5%
Ramp rate (MW/minute)	20	20	20
Startup time (cold iron) (min)	5	5	5
Combined cycle 1x1 specifications			
Net output (MW)	32.8	44	47.7
Net heat rate (Btu/kWh, LHV)	6,533	6,384	6,343
Net heat rate (kJ/kWh, LHV)	6,892	6,736	6,693
Net efficiency	52.2%	53.4%	53.8%
Ramp rate (MW/minute)	30	30	30
Startup time (cold iron) (min)	30	30	30
Combined cycle 2x1 specifications			
Net output (MW)	65.8	88.2	95.7
Net heat rate (Btu/kWh, LHV)	6,507	6,361	6,320
Net heat rate (kJ/kWh, LHV)	6,865	6,711	6,668
Net efficiency	52.4%	53.6%	54.0%
Ramp rate (MW/minute)	60	60	60
Startup time (cold iron) (min)	30	30	30
LM2500 additional specifications			
Reliability	99.5%	99.5%	99.5%
Availability	98.7%	98.7%	98.7%
Start reliability	98.3%	98.3%	98.3%
Fleet operation hours	19.3M	19.3M	19.3M
Hot section (hrs)	25,000	25,000	25,000
Overhaul (hrs)	50,000	50,000	50,000
NO _x emission (ppm) (@ 15% O ₂)	15	25	25
CO (ppm) (@ 15% O ₂)	25	25	25
Package noise (dBA average)	85	85	85
Combustion	DLE	DLE	DLE

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