



# LM2500 POWER PLANTS 60 Hz

**22-37 MW**  
SIMPLE CYCLE OUTPUT

**UP TO 38.7%**  
EFFICIENCY

**100+ 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<sub>x</sub> and other emissions concerns

With more than 2,500 units sold and more than 100 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 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.

Simple cycle specifications	LM2500 DLE	LM2500+ DLE	LM2500+G4 DLE
Net output (MW)	22.9	31.4	34.1
Net heat rate (Btu/kWh, LHV)	9,557	8,959	8,827
Net heat rate (kJ/kWh, LHV)	10,083	9,452	9,312
Net efficiency	35.7%	38.1%	38.7%
Ramp rate (MW/minute)	20	20	20
Startup time (cold iron) (min)	5	5	5
Combined cycle 1x1 specifications			
Net output (MW)	33.5	44.0	48.0
Net heat rate (Btu/kWh, LHV)	6,510	6,253	6,253
Net heat rate (kJ/kWh, LHV)	6,869	6,597	6,597
Net efficiency	52.4%	54.6%	54.6%
Ramp rate (MW/minute)	30	30	30
Startup time (cold iron) (min)	30	30	30
Combined cycle 2x1 specifications			
Net output (MW)	67.7	88.8	96.5
Net heat rate (Btu/kWh, LHV)	6,447	6,210	6,215
Net heat rate (kJ/kWh, LHV)	6,802	6,551	6,558
Net efficiency	52.9%	54.6%	54.9%
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 <sub>x</sub> emission (ppm) (@ 15% O <sub>2</sub> )	25	25	25
CO (ppm) (@ 15% O <sub>2</sub> )	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.