Fast Power. Anywhere.

Power to the grid in six months or less

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www.siemens.com/fast-power
Urgently needed power

The availability of electrical power is a major enabler of social and economic development. Some parts of the world are developing so fast that conventional power plant construction would take too long to satisfy the immediate needs. In other cases, the power infrastructure is damaged by natural or man-made disasters, requiring fast back-up solutions. To address the need for fast power, Siemens has developed its Fast Power portfolio.

These solutions are designed to provide electricity in six months or less and are tailored to the needs of rapidly developing countries.

Our focus is on addressing diverse customer requirements – from mobile, self-contained units with very fast deployment and installation for the most urgent needs to highly standardized gas turbine packages for both new power plants and quick upgrades of existing plants.
SGT-A65
Fast Power package

Engineered for industry-leading power output and fuel savings
Simple cycle power generation
Up to 66 MW(e)

Greatest efficiency and operational flexibility in its class

Up to 66 MW(e)
Up to 43.8% simple cycle efficiency
More than 115 units sold in total, over 1.8 million operating hours
Class-leading highest simple cycle efficiency
Designed for high operational flexibility
DLE and WLE combustion systems
Fast start and stop and minimal efficiency drop-off at part load
Modular and single-lift design for ease of maintenance
Robust, reliable technology with proven reliability (including start) and availability
Low lifecycle costs
SGT-800
Fast Power package

Pre-engineered scope of supply for fast delivery anywhere

Simple cycle power generation up to 54 MW(e)

A robust industrial gas turbine prepared for CC extension

Up to 54.0 MW(e) *
Classic package **

Up to 39.1% simple cycle efficiency

More than 350 units sold in total (over 25 units sold as Fast Power), over 7 million operating hours

99.8% world-class reliability

Dual-fuel DLE combustion system

Pre-engineered scope of supply

Outdoor installation
Ambient temp. -15° C to +55° C

Auxiliary systems air-cooled (no cooling water needed)

Prepared for steam-tailing

* Up to 57 MW(e) at normal delivery time
** Single-EP package is available at normal delivery time
SGT-400
Fast Power package

Power to the grid in just six months; delivery on short notice worldwide

Simple cycle power generation
up to 12.9 MW(e)

Highest efficiency in its power class

6 months delivery

Benefits
- Up to 12.9 MW(e)
- Up to 34.8% simple cycle efficiency
- More than 400 units sold in total, over 5 million operating hours
- Very high efficiency
- Designed for base load and peaking applications
- High fuel flexibility, wide gas range and liquid fuel, dual-fuel options
- World-leading DLE combustion technology; capable of ULE (ultra-low emission) operation
- Fast installation and commissioning
- Easier to transport to site and relocate
- High power density compact footprint
- Very low oil consumption; no water required
SGT-A45 Mobile Power package

Immediate power to the grid with the world’s most powerful and fuel efficient mobile gas turbine

Power generation up to 44 MW(e)

Simple cycle efficiency up to 40.4%

Benefits

- Up to 44 MW(e)
- Up to 40.4% simple cycle efficiency
- Mobile unit with outstanding power density
- Fast, flexible power on delivery with fewer units and lower $/kW
- High fuel efficiency and dual-fuel flexibility (liquid and gas)
- Fast start (5 minutes from cold) and flexible operation
- Restart at any time – no “hot lockout” or “hot standby”
- Site installation and commissioning in less than 2 weeks
- Easy transport to site and relocation
- Performance optimized for hot climates
- Low-NOx option
- Layout and installation optimized for full power plant solution

Package features:

- Free power turbine
- High pressure spool
- Intermediate pressure spool
- Dual fuel WLE combustion system
- Electric starter
SGT-A05
Mobile Power unit

Class-leading gross electrical efficiency performance in a single trailer package
Simple cycle power generation up to 5.8 MW(e)
Dependable, flexible design for onshore applications

Up to 5.8 MW(e)
Up to 33.2% simple cycle efficiency
More than 1,690 units sold in total, over 127 million operating hours
Power on-site in a single package
Outstanding reliability for power generation applications and emergency power
High electrical and cycle efficiency
7He performance pressure ratio: 14.0:1 (SGT-A05 KB7HE)
Full power available within 60 seconds
Black-start and hot-start capability
Proven aeroderivative design
Operates on a wide variety of fuels