

Solar[®] Turbines

A Caterpillar Company

Sustainable Energy Solutions

SOLAR[®] ENERGY STORAGE

Smart Solution for Energy Optimization

When you need a reliable energy storage solution, Solar Turbines is the perfect choice. Our energy storage solution is backed by our world-class Customer Services organization, providing the highest quality experience from your initial inquiry throughout your equipment's useful life.

Complete System Solution

Solar offers a complete system solution with an integrated fire detection and suppression system and a 2 x 100% HVAC system for a wide ambient range. Plug and play

design features are incorporated throughout, minimizing installation and commissioning time. The package is fully tested prior to shipment and supported by Solar's Customer Service organization offering a wide range of product support options.

Easy to Install and Commission

The package is assembled and tested at Solar's California facility. Installation is easy with only two 3-phase connections required. Total commissioning time is expected to be less than two days.



SMART INTEGRATED SOLUTION • ENERGY OPTIMIZATION • RENEWABLE INTEGRATION

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Package Specifications

- Dimensions (WxLxH): 2.34 m x 6.35m x 2.57m (7'8" x 20'10" x 8'5")
- Redundant forced air cooled
- Forklift ready
- Fire suppression: Novec 1230
- Seismic rating: Zone 4
- HMI interface with touchscreen panel
- Common protocols: Modbus RTU, TCP, DNP3, CAN bus

Operational Features

- Black start capability
- Islanding/microgrid/grid forming capability
- Range of control system operations for remote operation
- Health monitoring with InSight Platform™
- Demand reduction mode
- Generation emulation mode

Electrical Specifications

- 250 kVA to 1 MVA modular design (50/60Hz)
- AC voltage range: 380V - 600V
- Auxiliary input: 208V
- Controllable reactive power, leading limited based on state of charge (SOC)
- DC voltage range: 750 - 1000 VDC
- Built-in uninterruptible power supply

For More Information:

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ENERGY STORAGE SYSTEM

1. BATTERIES
2. BATTERY PROTECTION UNIT
3. BATTERY RACK
4. INVERTERS
5. HEAT EXCHANGERS
6. AIR CONDITIONING UNITS

