



**SOLAR<sup>®</sup> MOBILE  
TURBOMACHINERY  
SMT60 AND SMT130**

**Solar<sup>®</sup> Turbines**  
*A Caterpillar Company*



# Solar Mobile Turbomachinery

Powered by the Taurus™ 60 and Titan™ 130 engines from Solar, the SMT60 and SMT130 provide superior mobile technology:

- Widest fuel flexibility in the industry – gas or dual fuel available
- Low emission SoLoNOx™ combustion system
- Light-weight, fully-integrated modular power plant
- Easily relocatable – no concrete foundations or crane lifts required
- Quick and innovative set up with hydraulic leveling system

**PARK, PLUG & PLAY**

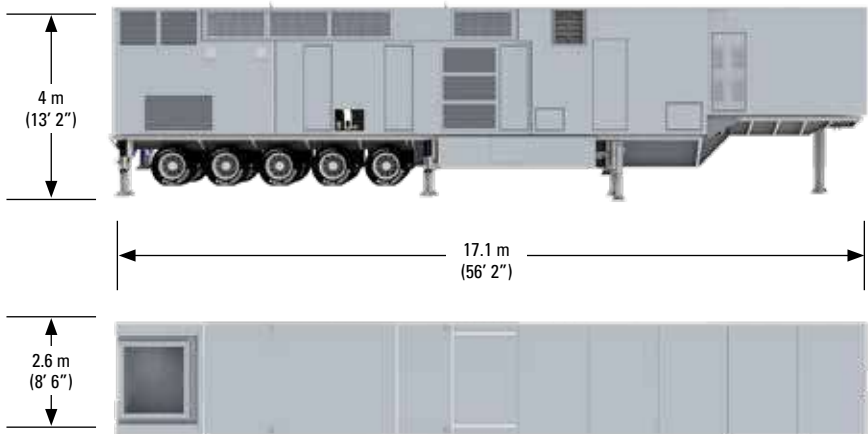
# SMT 60

Powered by Taurus 60  
5.7 MWe ISO

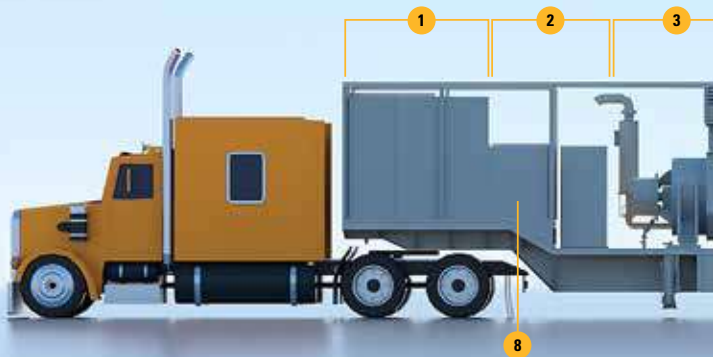
13.8 KV / 4160 V Generator

Fully-integrated single frame design



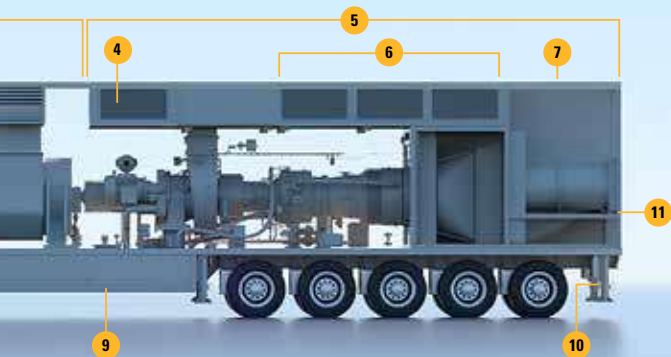


Package weight without tractor: 50 330 kgs (110,960 lbs)



- 1** | Electrical Equipment Compartment (EEC)
- 2** | Medium Voltage Compartment
- 3** | Generator Compartment

- 4** | Generator Inlet Ventilation
- 5** | Turbine Compartment
- 6** | Integrated Air Inlet Duct and Filters



**7** | Exhaust

**8** | MV Connections

**9** | SoLoNOx™ Gas Fuel System

**10** | Hydraulic Leveling Jack

**11** | Enclosure Ventilation Fans

# SMT 130

An aerial photograph of two white and blue SMT 130 trucks parked on a paved lot. Each truck is pulling a long trailer loaded with several large, light blue power generator units. The truck in the foreground has a red generator unit at the rear of its trailer. The background shows a green field and trees under a clear sky. White lines with circular endpoints point from text labels to specific parts of the trucks and trailers.

Powered by Titan 130  
16 MWe ISO

13.8 KV / 4160 V Generator

Fully-integrated dual frame design





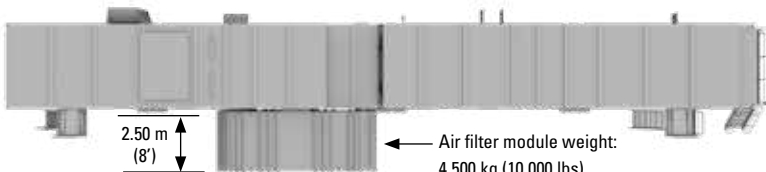
4.27 m  
(14')

Turbine package weight without tractor:  
48 500 kg (107,000 lbs)

Generator package weight without tractor:  
55 500 kg (122,000 lbs)

27.74 m  
(91')

3.05 m  
(10')

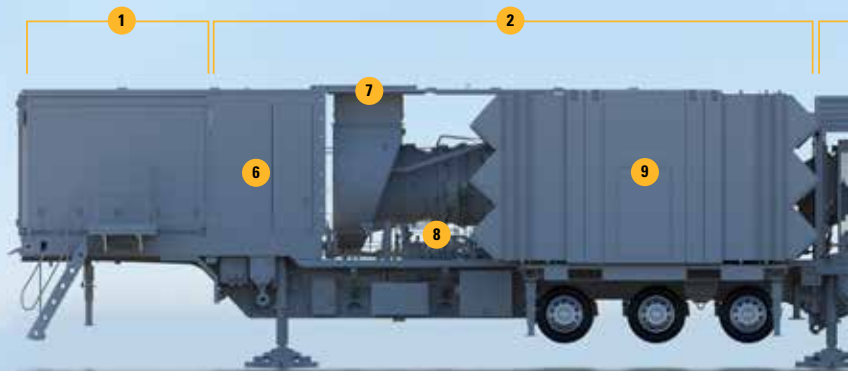


2.50 m  
(8')

Air filter module weight:  
4 500 kg (10,000 lbs)

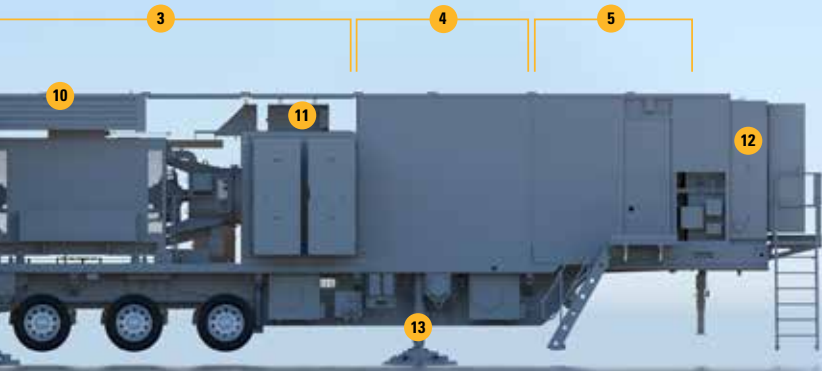
5.75 m  
(19')

with louvers



- 1** | Lube Oil Compartment
- 2** | Turbine Compartment
- 3** | Generator Compartment
- 4** | Medium Voltage Compartment

- 5** | Electrical Equipment Compartment
- 6** | Turbine Enclosure Vent Fans
- 7** | Turbine Exhaust



- 8 | SoLoNOx™ Gas Fuel System
- 9 | Turbine Air Inlet Module
- 10 | Generator Exhaust

- 11 | Generator Compartment Vent Inlet
- 12 | Fire Suppression Cabinet
- 13 | Hydraulic Leveling Jack



**Solar<sup>®</sup> StationEdge**

# Beyond the Package

Solar® StationEdge is a complete onsite solution to integrate your SMT units into a common platform for optimized operation, interface and control.

By adding Solar StationEdge power management and microgrid control to your SMT packages, you receive more than just a turbomachinery solution. Built on Solar's proven TurboTronic™ control system, Solar StationEdge combines our extensive operating experience with modern technology to provide your site with advanced automation, visualization and optimization.

# For Remote Locations

Our SMT packages are engineered for the challenging demands of remote power generation. Both our single frame mobile power plant SMT60 and dual frame mobile power plant SMT130 are designed from the ground up for rapid set-up/teardown and easy, reliable off-road transportation – providing high power density with a small footprint.

Operating on Solar's industry leading dry low emissions combustion system, our SMT packages are the ideal solution for power in a variety of environments.







# World-Class Customer Support

Solar has a field service support network of over 1000 employees located in more than 65 offices around the world providing the highest level of support for your equipment in your time and space.

We offer broad solutions that help enhance performance and safety, extend equipment life, and prevent obsolescence:

- Engine overhauls
- Package and control upgrades
- Package refurbishment
- Technical training courses
- Solar Turbines parts

# Who Is Solar Turbines?

Solar Turbines is a wholly owned subsidiary of Caterpillar, Inc. We design, manufacture and package industrial gas turbines, compressors, generator sets, pump drivers and energy storage solutions. We have supported the energy industry from wellhead to gas transmission systems and beyond for more than 60 years.

- More than 16,000 engines sold
- More than 7,000 compressors sold
- Installations in more than 100 countries
- More than 3 billion fired hours
- 65 sales and service locations

# Solar Turbines

A Cooper Industries Company

## Welcome

10000 Wilshire Blvd, Suite 2000, Los Angeles, CA 90024  
909.440.1000  
www.solarturbines.com



# Solar<sup>®</sup> Turbines

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Website: [www.solarturbines.com](http://www.solarturbines.com)

Email: [infocorp@solarturbines.com](mailto:infocorp@solarturbines.com)

Phone: **+1-619-544-5352**

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