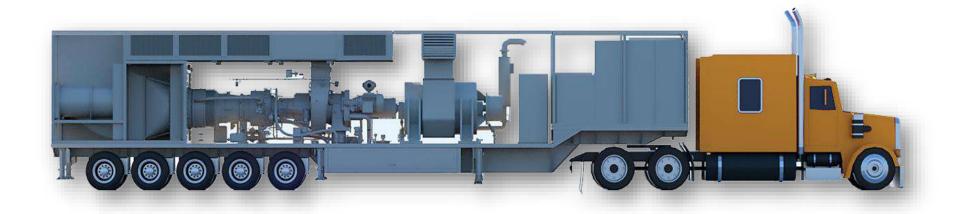


Agenda



- SMT60 Product Overview
- SMT130 Product Overview



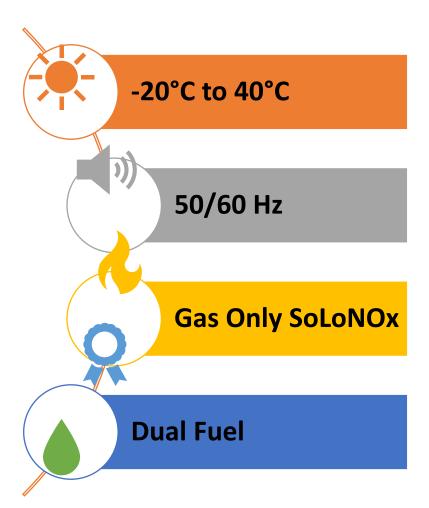
Why Solar Mobile Turbomachinery?

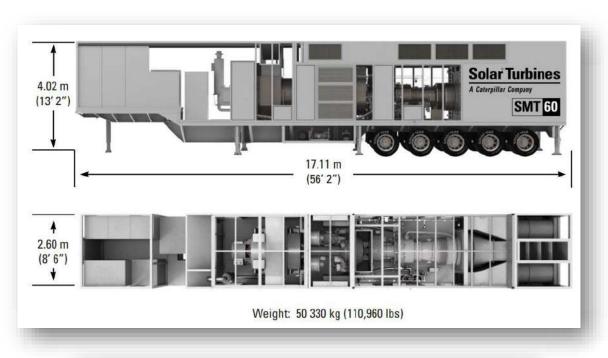


- Fast and Easy Installation for Mobile Power
 - Emergency & Back Up Power
 - E Frack, Drilling, Well Completion
- "Park, Plug and Play"
 - 3 Main Connections
- High power density with a small footprint

SMT60 Product

Solar Turbines A Caterpillar Company







SMT60 Product

Solar Turbines

A Caterpillar Company



Estimated Max On Road Weight

50,330 kg

Estimated on Road Length (LxWxH)

17 m x 2.6 m x 4 m

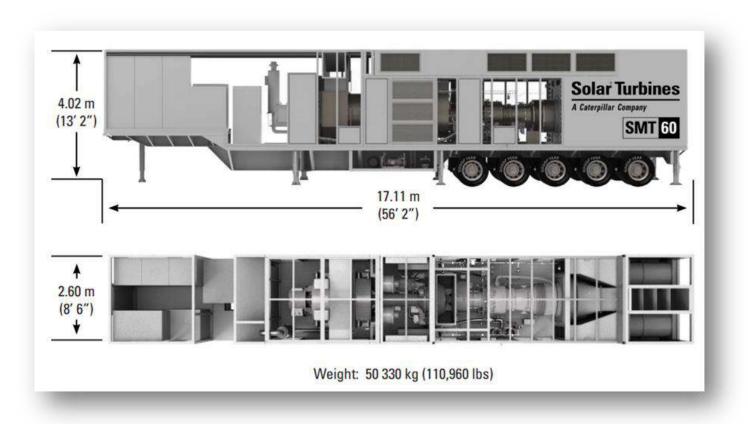
Estimated Installed Length (LxWxH)

17 m x 2.6 m x 4 m

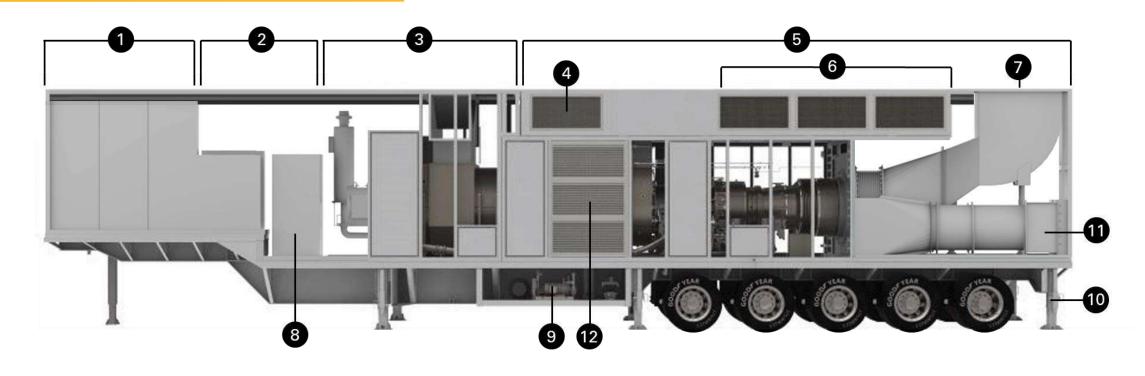
ISO Power

5.7 MW

Wide Range of fuels



SMT60 Key Components



- 1 | Electrical Equipment Compartment (EEC) 5 | Turbine Compartment
- 2 | Medium Voltage Compartment
- 3 | Generator Compartment
- 4 Generator Inlet Ventilation

- 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
- 12 | Lube Oil Cooler



SMT60 - Customer Connections



Gas Fuel

• 2 in SAE 4 Bolt Flange

Switchgear Output

• 900 AMP 25KV Deadbreak Interface

Black Start Connection

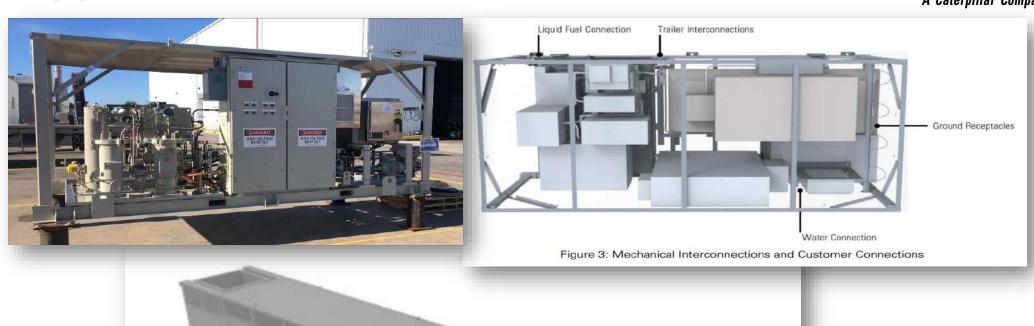
• Male Connector: Cable range 2.67-2.87 in

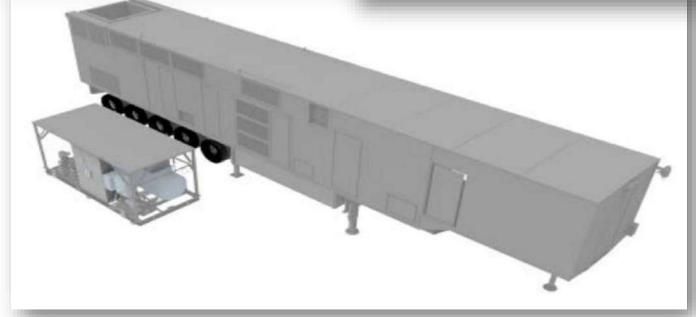


SMT60 Dual Fuel

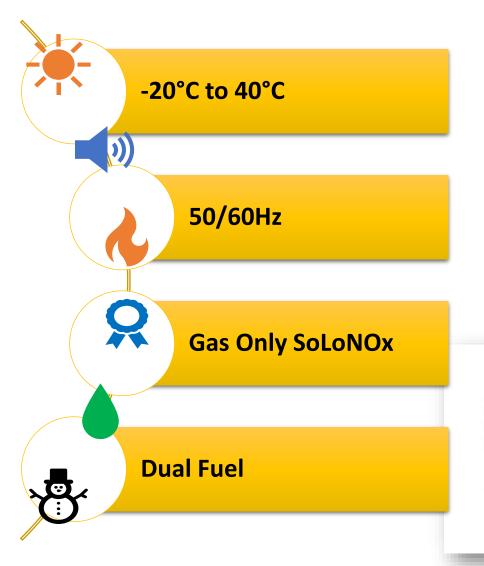
Solar Turbines

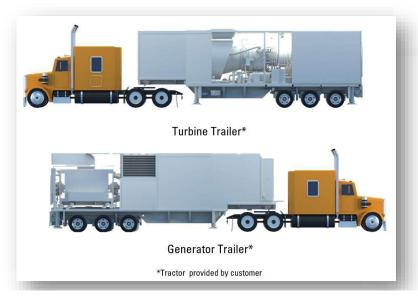
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SMT130 Product

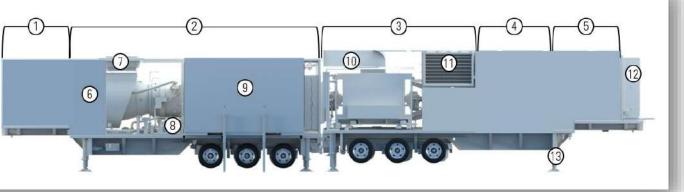




- **Solar Turbines**
- A Caterpillar Company

- 1. Lube Oil Compartment (covered w/ tarp)
- 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



SMT130 Product

Solar Turbines A Caterpillar Company



Estimated Max On Road Weight

72,500 kg

Estimated on Road Length (LxWxH)

18.6 m x 3 m x

4.3 m

Estimated Installed

27.2 m x 5.3 m x

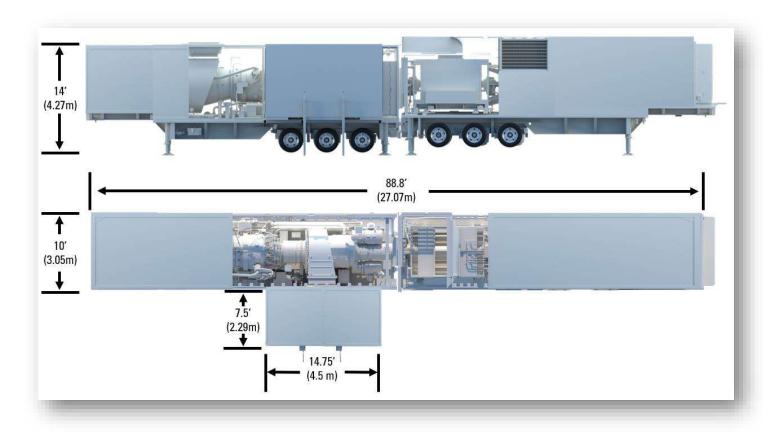
Length (LxWxH)

4.3 m

ISO Power

16.5 MW

Wide Range of fuels



SMT130 Customer Connections



Gas Fuel

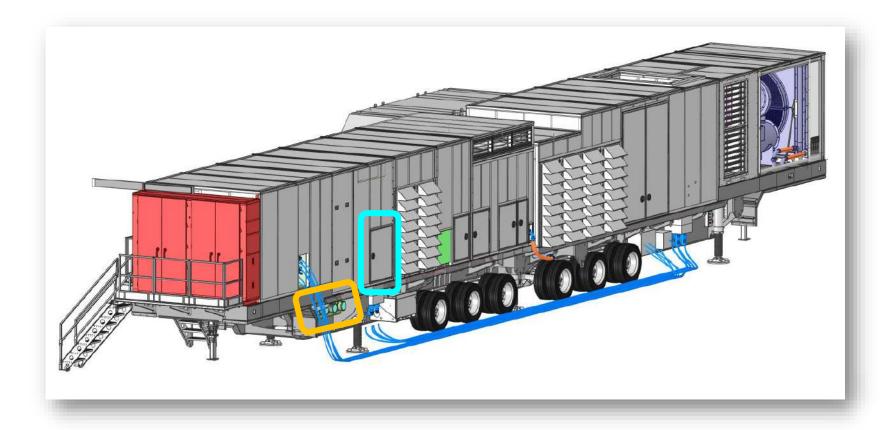
• 2 in SAE 4 Bolt Flange

Switchgear Output

• 900 AMP 25KV Deadbreak Interface

Black Start Connection

• Male Connector: Cable range 2.67-2.87 in



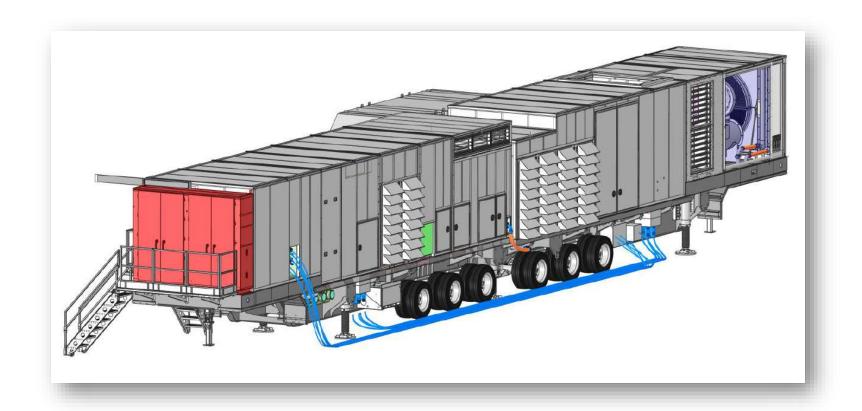
SMT130 Trailer Interconnects







- Start Motor (x2)
- **Turbine Air Inlet**
- Nitrogen
- Ethernet (x2)
- Flectrical AC 480 V, 120 V
- **Electrical DC** 120V, 24V



Bridge to Grid Use Cases



Bridge to Grid

- Short term electricity need that the DC <u>confidently believes the</u> <u>Utility</u>/ Grid will support in a few years AND
- Plan to use separate back-up design once Grid connected

Key Criteria

 Available now, Simple, Relocatable, Reliable/Uptime

Microgrid Solution

- Rental or own, then move to another site/ sell
- Prime likely requires gas units for emissions

Engine Driver Configuration

- Mobile: <u>SMT130</u> (16 MW units) Caterpillar Rental Engines
- Relocatable: PGM130 (16 MW)



Case Study - Delivery of 8 SMT130 to Data Center





Caterpillar: Confidential Green

Solar Turbines

A Caterpillar Company



