



GREENER UPGRADES™



# 1500 kW Rapid Deploy Gas Generator

The Aggreko 1500 kW rapid deploy gas generator provides market leading efficiency, gas flexibility, and superior transient capability, all within the most stringent emissions regulations. Building upon the platform of success of our 1500 kW gas generator portfolio, this gas-powered technology delivers medium voltage power in a fully mobile package.

## The package

<b>Iso container</b>	40 ft
<b>Trailerized</b>	Triple Axle
<b>Weight</b>	73,895 lbs
<b>Noise level 60hz @ 23ft</b>	81 dBA
<b>Power output</b>	1484 kWe
<b>Voltage capability 3 phase</b>	13800 V
<b>Engine</b>	INNIO 420 E
<b>Speed</b>	1800 rpm (60Hz)
<b>Able to operate on</b>	NG / Propane HD-5 / Bio Gas / LFG
<b>Low emissions configurable for</b>	400 mg/m <sup>3</sup> Nox @ 5% O <sub>2</sub>
<b>Min single step load application</b>	36% @ G1
<b>Max allowable ambient before derate</b>	102.2°F @ Sea Level
<b>Max allowable altitude before derate</b>	1640 ft @ 102.2°F

## Gas energy input

<b>100% gas energy input (+/- 2.5% tolerance)</b>	13,675 scf/hr
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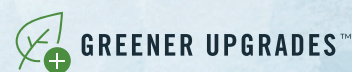
## Electrical (ISO 8528-1)

<b>Parasitic consumption @ L.A.T.</b>	51.8 kW
<b>Max electrical efficiency</b>	38.4%

## Exhaust emissions

<b>Specific load</b>	100% Load ±2%
<b>NOx – Oxides of Nitrogen (E695 EPA)</b>	400 mg/m <sup>3</sup>
<b>CO - Carbon Monoxide</b>	1000 mg/m

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Features	Benefits	
High electrical efficiency	Reduced cost of generation	Reduction in CO <sub>2</sub> emissions
Exceptional performance and reliability	Guaranteed power delivery	Long operating life between major overhauls
Containerized package	Speed of deployment	Able to be transported via standard and non-standard channels (truck / ship / train / barge / plane) for delivery in most locations
High power density to footprint ratio	Lower land lease cost	Beneficial for power demand increases within similar footprints and in space-constrained applications
Modular design	Flexible on capacity and load demand	Scalable to meet changing requirements over time. Can be integrated with other power sources including Diesel, BESS, and renewables
Full compliance with emission regulations	Clean environment	Suitable for deployments of any duration
Flexible on gas types & compositions	High convertibility of gas to power	Potential to help customers monetize their stranded or waste gasses (e.g. biogas, landfill gas, ethane and APG)
Excellent baseload operation	Suitable for grid model/distributed generator	Advanced grid connected capability including LFSM, FRT
CHP capable (with modification)	Further reduce your TCOE by displacing other water heating cost	Reduction in CO <sub>2</sub> emissions
Aggreko Remote Monitoring (ARM) connected	24/7 monitoring of generation assets for service scheduling & response	
MyPlant connection (optional)	24/7 OEM monitoring of engine for service scheduling & response	Remote assistance and troubleshooting in complex or remote applications
Able to operate in Baseload and Island Operation	Suited to both grid connected and distributed baseload, or island power	Suited for standalone use or as a part of a power generation mix
Advanced genset controls system	Integrated genset control system with user friendly HMI with remote connection capabilities	Easier tuning and commissioning on standard gasses
EPA Non-Road Mobile and Stationary Certification held on natural and non-commercial gasses	In compliance with EPA's standards and suitable for deployments of any duration within strict emissions zones	Able to operate on a BTU range of 772 – 2503, increasing to 340 – 2503
Able to integrate with additional SCR equipment	Can be optimized to deliver even the most extreme ultra-low emissions requirements	
Low temperature operation	Standard configuration of 5°F with option to achieve -40°F	
Mobile Trailered Package	Ease of mobility across North America	Speed of deployment
UL Certified medium voltage switchgear	Reduced cost of energy to the customer	Increased competitiveness in longer term projects