



SYNCHRONOUS ALTERNATORS

Electricity generation from gas and biogas

WEG has the expertise to serve the several segments, including biogas. This sustainable alternative fuel demand has been increasing and can be energy source for rural properties, generating income selling the surplus energy to the grid. WEG synchronous alternators G Plus and AG10 line offers state-of-the-art technology and reliability in power generation, fuel consumption reduction, contributing to reduce the CO₂ emissions and improving the financial returns of the operation.

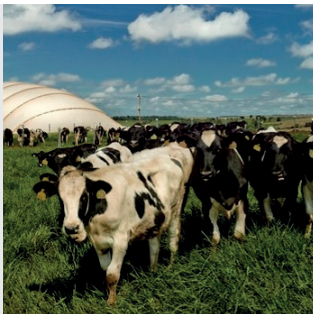


Verticalization

The own manufacturing of electro-insulating varnish, electrical wires, insulating sets, coatings, packaging, among others, combined with design flexibility are important WEG's characteristics. These differentials results in optimization on WEG alternators lead time, also guarantee the high level on control quality on each manufacturing step.

Service support network

WEG service support network is available all over the world – with a qualified and experienced team, able to deal with the most diverse field scenarios and provide remote support with the latest devices, bringing reliability to the results, also offering easy and fast serviceable parts replacement.



Synchronous Alternators

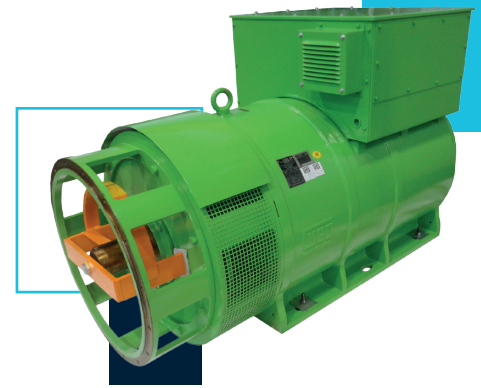
Technical characteristics

- Output power: 7.5 up to 20,000 kVA
- Voltage: 220 up to 13,800 V
- Frequency: 50 and 60 Hz
- Protection degree: IP23
- Insulation class: H
- Excitation system: i-PMG
- Poles: 4, 6 or 8 poles
- Temperature rise class: F
- Thermostat on windings
- Single bearing design
- Green Color (RAL 6018)

Note: other features upon request.

Optional features

- Thermostat on the bearings
- Double bearing design
- Space heater
- Winding protection grade 2 or 3
- Protection degree IP44 with filters
- Excitation System PMG
- Digital AVR



Oil and Gas

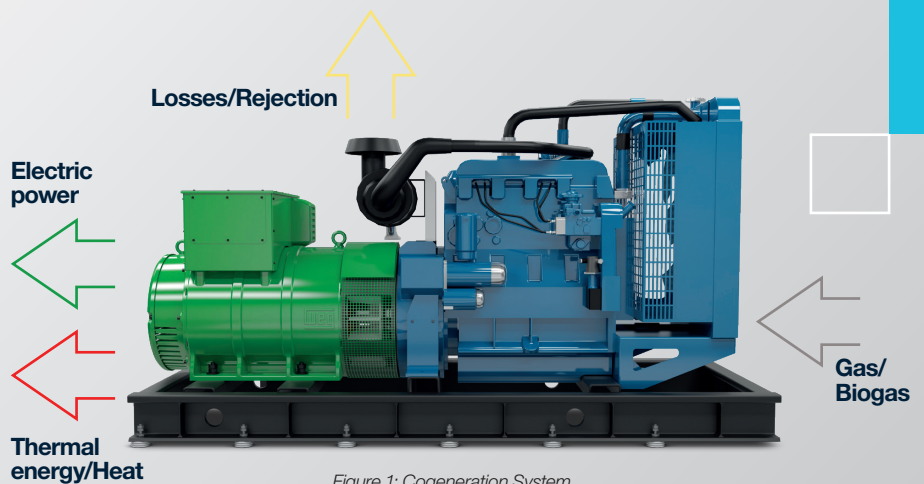
Agriculture



Waste

Cogeneration

WEG alternators have a high efficiency level, which allows a better use of the potential energy of the fuel, the most important item in applications inserted cogeneration environment.



WEG Group - Energy Business Unit
 Jaraguá do Sul - SC - Brazil
 Phone: +55 47 3276-4000
energia@weg.net
www.weg.net
www.youtube.com/wegvideos
[@wegenergia](https://www.instagram.com/wegenergia)