



RePG[®]

Energy Systems
Industrial Applications



INDUSTRIAL
PRODUCTS
CATALOG



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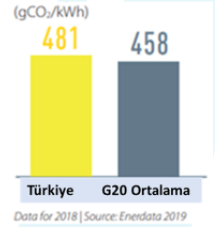
RePG Energy Systems and Applications

Along with industrialization, increasing electricity consumption and increasing energy costs force factories to make their own electricity generation investments.

Existing and known systems, high initial investment cost and long return times make investors think. RePG Energy Systems; with its modular structure, it supports factories that want to produce their own electricity with low payback periods in your projects from 2kW to 1MW.

With the "Green Reconciliation" in 2023, you can reduce your carbon emissions by generating electricity from your waste heat.

A 10kW engine operating 7500 hours per year. RePG System; 36 tons of carbon emissions your use of carbon credits, helping you reduce blocking.



APPLICATIONS

Ability to work with all waste heat sources.


- ✓ Factory Chimney
- ✓ Exhaust Gases
- ✓ Geothermal
- ✓ Pellet Stoves
- ✓ Gas Boilers
- ✓ Generator Waste Heat
- ✓ Compressor Waste Heat
- ✓ Day Heat Systems
- ✓ Gas Engines Jacket Water and Exhaust
- ✓ Process Waste Heat



RePG Energy Systems Produces Electrical Energy From Low Temperature Heat Using Its Own Technology.



RePG IN-10-05 Energy Systems

	ELECTRICAL SPECIFICATIONS	
	Maximum Electrical Output Power	5 kWe
	Frequency	50 Hz
	Operating Voltage	400V
	Phase Value	3 Phase
	MECHANICAL SPECIFICATIONS	
	Heat Inlet Fluid	Water
	Cooling Systems	Water & Air
	Air Cooled	
	Water Cooled	
	Hybrid Cooled	
	Machine Outlet Fluid	Water
	Operating Temperatures	-20 °C to +40 °C
	Relative Humidity	10% to 90%
	Maximum Pressure	45 bar
Operating Fluid	Organic Mix	
Weight	350 kg	

- Zero Emissions
- Automatic Control System (IoT)
- Remote Control and Tracking System (IOS, Android, Iot)
- Easy Setup and Integration
- On-Grid and Off-Grid Connection
- CE Certified

AREAS OF APPLICATION



FACTORIES

Latent Heat and Waste Heat Applications



GEOTHERMAL

Geothermal Heat Applications



SHIP CHIMNEYS & BOILER ROOMS

Latent Heat and Waste Heat Applications



SITE, CITY BOILER ROOMS

Latent Heat and Waste Heat Applications



BIOMASS

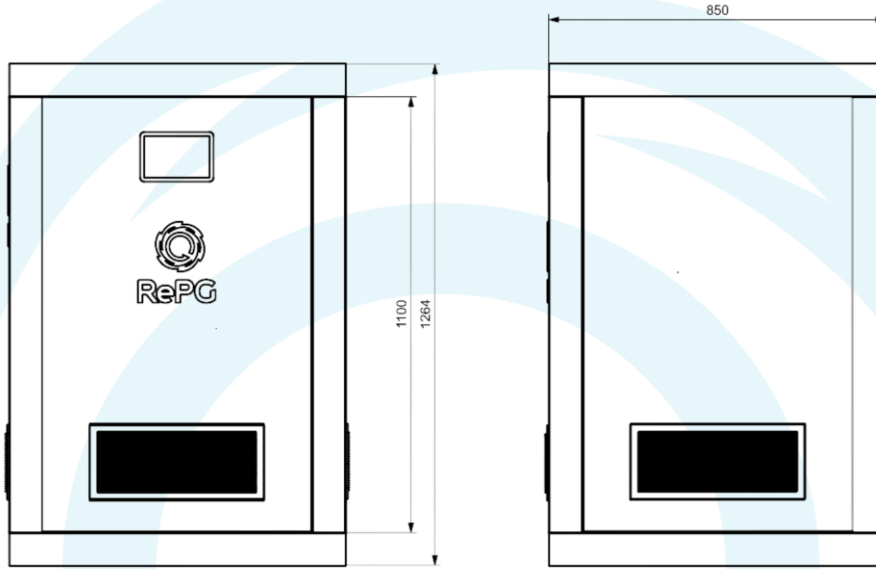
Biomass Waste Heat Applications



RePG Energy Systems Produces Electrical Energy From Low Temperature Heat Using Its Own Tecnology.



RePG IN-10-05 Energy Systems



PRODUCT DIMENSIONS AND FEATURES

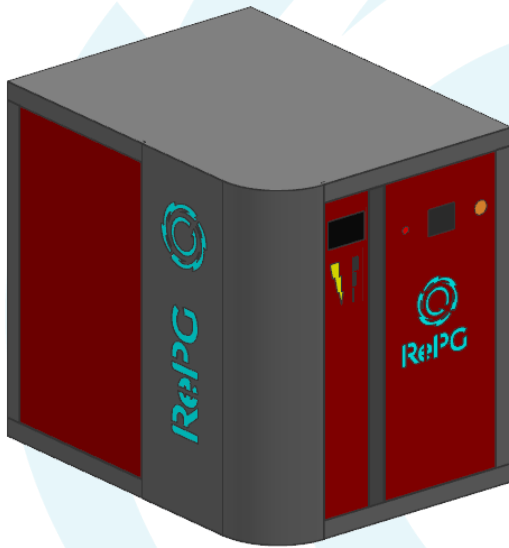
Width	850mm
Lenght	1100mm
Height	1264mm
Inlet Fluid Fittings	1" Threaded Sleeve
Outlet Fluid Fittings	1" Threaded Sleeve
Cold Water Fittings	1" Threaded Sleeve
Communication Protocol	RS-485 Modbus TCP



RePG Energy Systems Produces Electrical Energy From Low Temperature Heat Using Its Own Technology.



RePG IN-15-15 Energy Systems



ELECTRICAL SPECIFICATIONS

Maximum Electrical Output Power	15 kWe
Frequency	50 Hz
Operating Voltage	400V
Phase Value	3 Phase

MECHANICAL SPECIFICATIONS

Heat Inlet Fluid	Water
Cooling Systems	Water & Air
Air Cooled	
Water Cooled	
Hybrid Cooled	
Machine Outlet Fluid	Water
Operating Temperatures	-20 °C to +40 °C
Relative Humidity	10% to 90%
Maximum Pressure	45 bar
Operating Fluid	Organic Mix
Weight	750 kg

- Zero Emissions
- Automatic Control System (IoT)
- Remote Control and Tracking System (IOS, Android, Iot)
- Easy Setup and Integration
- On-Grid and Off-Grid Connection
- CE Certified

AREAS OF APPLICATION



FACTORIES

Latent Heat and Waste Heat Applications



GEOTHERMAL

Geothermal Heat Applications



SHIP CHIMNEYS & BOILER ROOMS

Latent Heat and Waste Heat Applications



SITE, CITY BOILER ROOMS

Latent Heat and Waste Heat Applications



BIOMASS

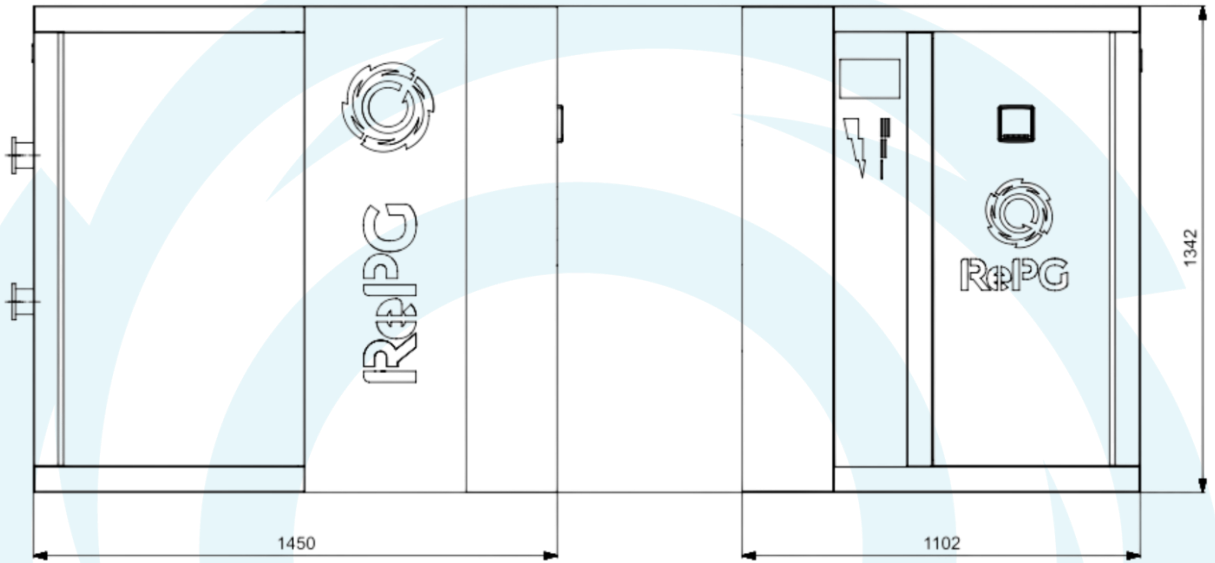
Biomass Waste Heat Applications



RePG Energy Systems Produces Electrical Energy From Low Temperature Heat Using Its Own Tecnology.



RePG IN-15-15 Energy Systems



PRODUCT DIMENSIONS AND FEATURES

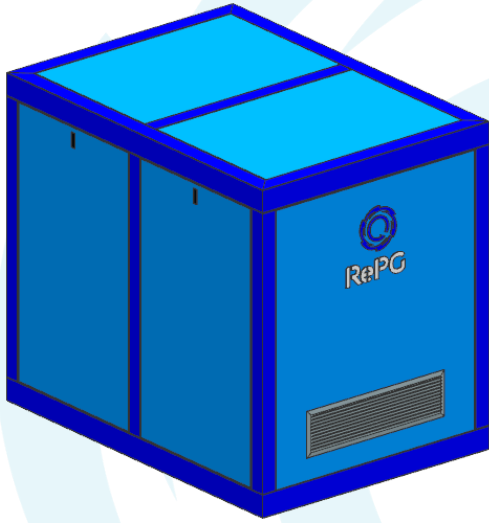
Width	1102mm
Lenght	1450mm
Height	1342mm
Inlet Fluid Fittings	ISO DN50 Flanges
Outlet Fluid Fittings	ISO DN50 Flanges
Cold Water Fittings	ISO DN50 Flanges
Communication Protocol	RS-485 Modbus TCP



RePG Energy Systems Produces Electrical Energy From Low Temperature Heat Using Its Own Technology.



RePG IN-25-25 Energy Systems



ELECTRICAL SPECIFICATIONS

Maximum Electrical Output Power	25 kW _e
Frequency	50 Hz
Operating Voltage	400V
Phase Value	3 Phase

MECHANICAL SPECIFICATIONS

Heat Inlet Fluid	Water
Cooling Systems	Water & Air
Air Cooled	
Water Cooled	
Hybrid Cooled	
Machine Outlet Fluid	Water
Operating Temperatures	-20 °C to +40 °C
Relative Humidity	10% to 90%
Maximum Pressure	45 bar
Operating Fluid	Organic Mix
Weight	750 kg

- Zero Emissions
- Automatic Control System (IoT)
- Remote Control and Tracking System (IOS, Android, Iot)
- Easy Setup and Integration
- On-Grid and Off-Grid Connection
- CE Certified

AREAS OF APPLICATION



FACTORIES

Latent Heat and Waste Heat Applications



GEOTHERMAL

Geothermal Heat Applications



SHIP CHIMNEYS & BOILER ROOMS

Latent Heat and Waste Heat Applications



SITE, CITY BOILER ROOMS

Latent Heat and Waste Heat Applications



BIOMASS

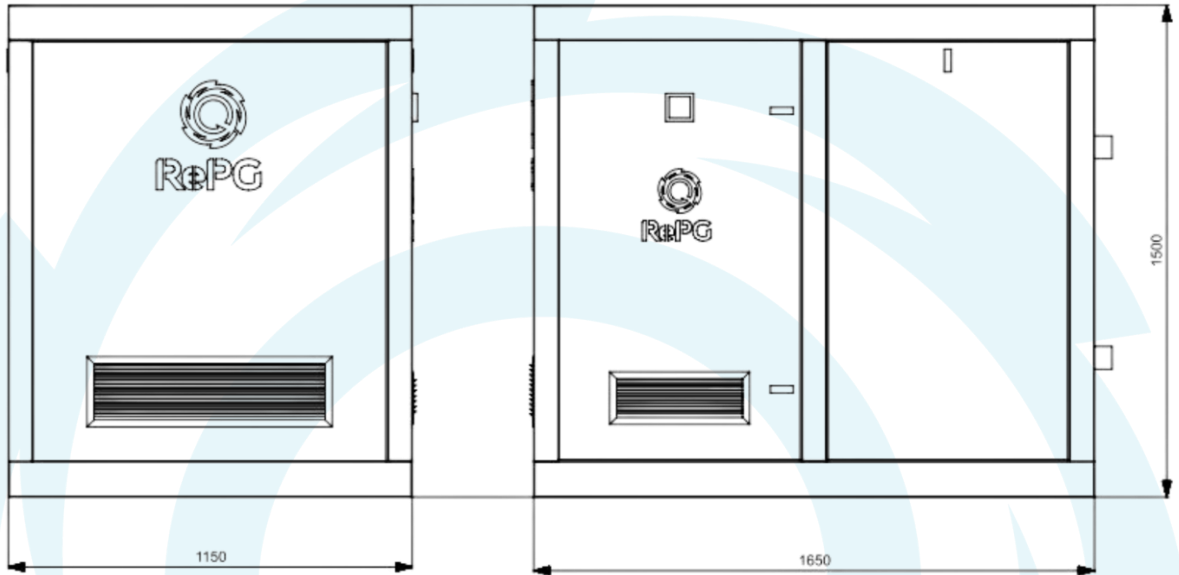
Biomass Waste Heat Applications



RePG Energy Systems Produces Electrical Energy From Low Temperature Heat Using Its Own Tecnology.



RePG IN-25-25 Energy Systems



PRODUCT DIMENSIONS AND FEATURES

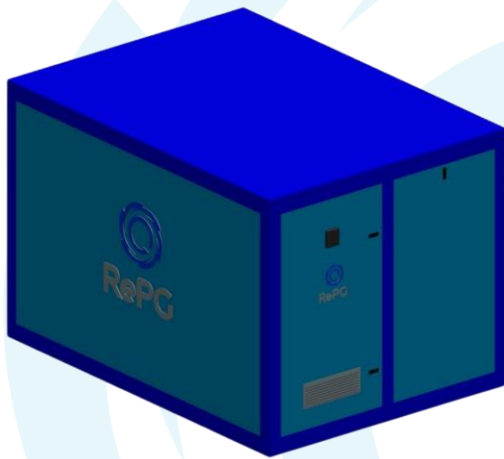
Width	1150mm
Lenght	1650mm
Height	1500mm
Inlet Fluid Fittings	ISO DN50 Flanges
Outlet Fluid Fittings	ISO DN50 Flanges
Cold Water Fittings	ISO DN50 Flanges
Communication Protocol	RS-485 Modbus TCP



RePG Energy Systems Produces Electrical Energy From Low Temperature Heat Using Its Own Technology.



RePG IN-50-50 Energy Systems



ELECTRICAL SPECIFICATIONS

Maximum Electrical Output Power	50 kWe
Frequency	50 Hz
Operating Voltage	400V
Phase Value	3 Phase

MECHANICAL SPECIFICATIONS

Heat Inlet Fluid	Water
Cooling Systems	Water & Air
Air Cooled	
Water Cooled	
Hybrid Cooled	
Machine Outlet Fluid	Water
Operating Temperatures	-20 °C to +40 °C
Relative Humidity	10% to 90%
Maximum Pressure	45 bar
Operating Fluid	Organic Mix
Weight	1500 kg

- Zero Emissions
- Automatic Control System (IoT)
- Remote Control and Tracking System (IOS, Android, Iot)
- Easy Setup and Integration
- On-Grid and Off-Grid Connection
- CE Certified

AREAS OF APPLICATION



FACTORIES

Latent Heat and Waste Heat Applications



GEOTHERMAL

Geothermal Heat Applications



SHIP CHIMNEYS & BOILER ROOMS

Latent Heat and Waste Heat Applications



SITE, CITY BOILER ROOMS

Latent Heat and Waste Heat Applications



BIOMASS

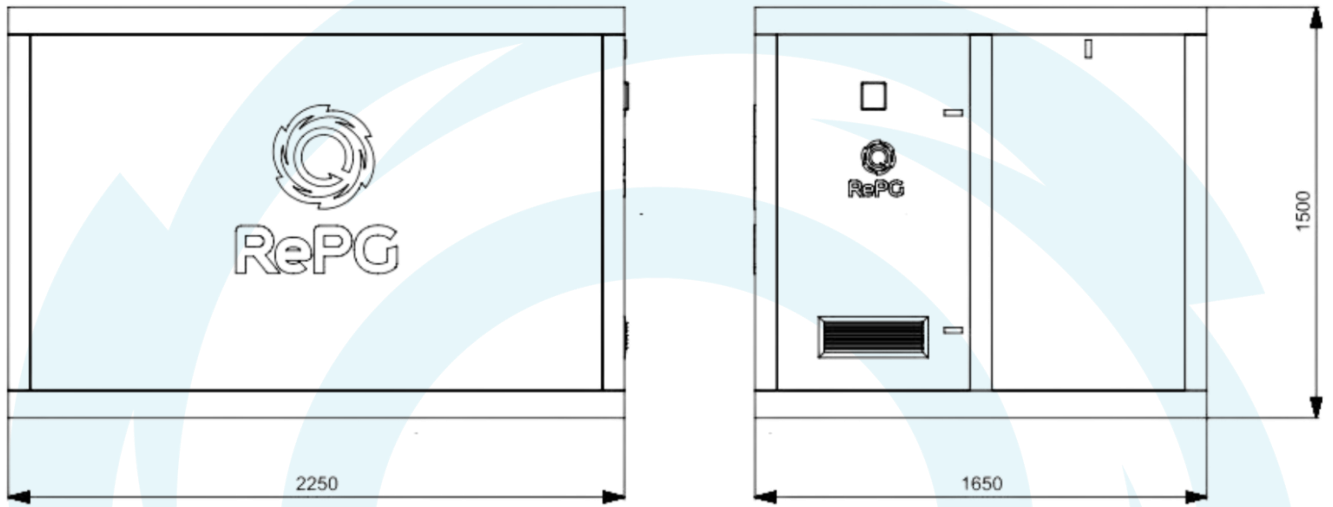
Biomass Waste Heat Applications



RePG Energy Systems Produces Electrical Energy From Low Temperature Heat Using Its Own Tecnology.



RePG IN-50-50 Energy Systems



PRODUCT DIMENSIONS AND FEATURES

Width	1650mm
Lenght	2250mm
Height	1500mm
Inlet Fluid Fittings	ISO DN50 Flanges
Outlet Fluid Fittings	ISO DN50 Flanges
Cold Water Fittings	ISO DN50 Flanges
Communication Protocol	RS-485 Modbus TCP



RePG Energy Systems Produces Electrical Energy From Low Temperature Heat Using Its Own Technology.



RePG IN-100-100 Energy Systems

	ELECTRICAL SPECIFICATIONS	
	Maximum Electrical Output Power	100 kWe
	Frequency	50 Hz
	Operating Voltage	400V
	Phase Value	3 Phase
	MECHANICAL SPECIFICATIONS	
	Heat Inlet Fluid	Water
	Cooling Systems	Water & Air
	Air Cooled	
	Water Cooled	
	Hybrid Cooled	
	Machine Outlet Fluid	Water
	Operating Temperatures	-20 °C to +40 °C
	Relative Humidity	10% to 90%
	Maximum Pressure	45 bar
Operating Fluid	Organic Mix	
Weight	3000 kg	

- Zero Emissions
- Automatic Control System (IoT)
- Remote Control and Tracking System (IOS, Android, Iot)
- Easy Setup and Integration
- On-Grid and Off-Grid Connection
- CE Certified

AREAS OF APPLICATION



FACTORIES

Latent Heat and Waste Heat Applications



GEOTHERMAL

Geothermal Heat Applications



SHIP CHIMNEYS & BOILER ROOMS

Latent Heat and Waste Heat Applications



SITE, CITY BOILER ROOMS

Latent Heat and Waste Heat Applications



BIOMASS

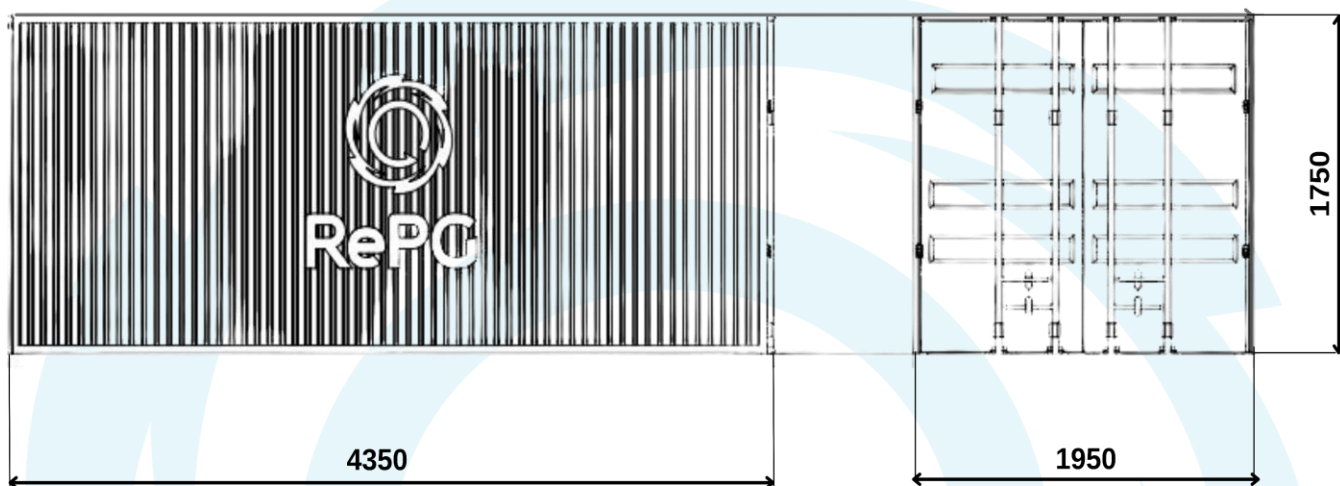
Biomass Waste Heat Applications



RePG Energy Systems Produces Electrical Energy From Low Temperature Heat Using Its Own Tecnology.



RePG IN-100-100 Energy Systems



PRODUCT DIMENSIONS AND FEATURES

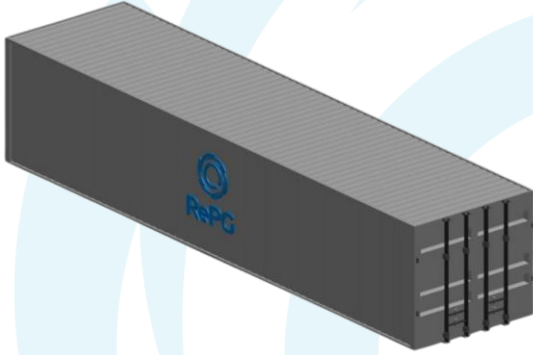
Width	1950mm
Lenght	4350mm
Height	1750mm
Inlet Fluid Fittings	ISO DN50 Flanges
Outlet Fluid Fittings	ISO DN50 Flanges
Cold Water Fittings	ISO DN50 Flanges
Communication Protocol	RS-485 Modbus TCP



RePG Energy Systems Produces Electrical Energy From Low Temperature Heat Using Its Own Technology.



RePG IN-250-250 Energy Systems

	ELECTRICAL SPECIFICATIONS	
	Maximum Electrical Output Power	250 kWe
	Frequency	50 Hz
	Operating Voltage	400V
	Phase Value	3 Phase
	MECHANICAL SPECIFICATIONS	
	Heat Inlet Fluid	Water
	Cooling Systems	Water & Air
	Air Cooled	
	Water Cooled	
	Hybrid Cooled	
	Machine Outlet Fluid	Water
	Operating Temperatures	-20 °C to +40 °C
	Relative Humidity	10% to 90%
Maximum Pressure	45 bar	
Operating Fluid	Organic Mix	
Weight	10 000 kg	

- Zero Emissions
- Automatic Control System (IoT)
- Remote Control and Tracking System (IOS, Android, IoT)
- Easy Setup and Integration
- On-Grid and Off-Grid Connection
- CE Certified

AREAS OF APPLICATION



FACTORIES

Latent Heat and Waste Heat Applications



GEOTHERMAL

Geothermal Heat Applications



SHIP CHIMNEYS & BOILER ROOMS

Latent Heat and Waste Heat Applications



SITE, CITY BOILER ROOMS

Latent Heat and Waste Heat Applications



BIOMASS

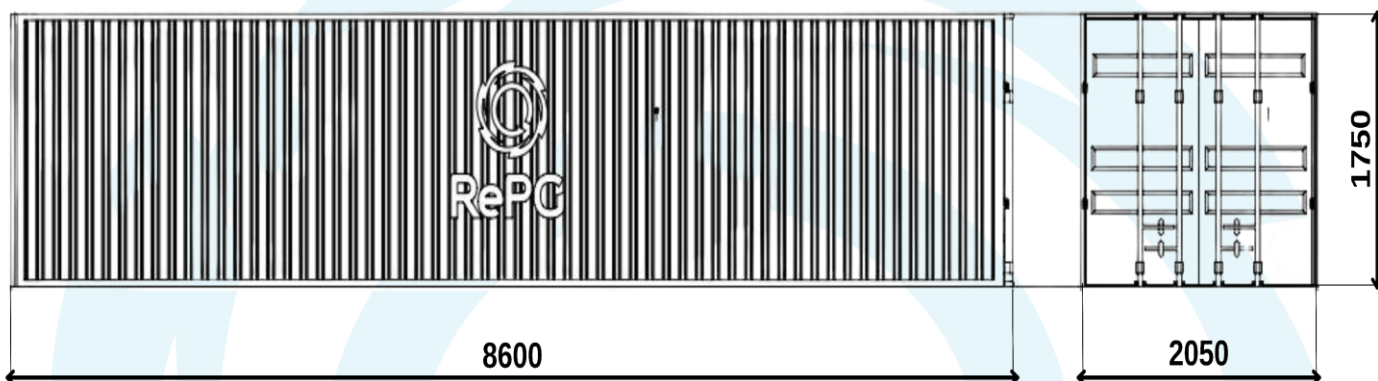
Biomass Waste Heat Applications



RePG Energy Systems Produces Electrical Energy From Low Temperature Heat Using Its Own Tecnology.



RePG IN-250-250 Energy Systems



PRODUCT DIMENSIONS AND FEATURES

Width	2050mm
Lenght	8600mm
Height	1750mm
Inlet Fluid Fittings	ISO DN50 Flanges
Outlet Fluid Fittings	ISO DN50 Flanges
Cold Water Fittings	ISO DN50 Flanges
Communication Protocol	RS-485 Modbus TCP



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