

Be Your Own Utility[®]

ENGINUTY
POWER SYSTEMS

On-Site Combined Heat & Power Control Energy. Protect Operations. Improve ROI.

Grid instability is increasing. Electricity costs are rising. Enginuity's E100 system generates electricity and usable heat on-site — **delivering up to 85% total system efficiency** for high-demand environments.

More control. Less waste. Stronger resilience.



Power for Performance & Control

Traditional generators waste 55–70% of fuel energy. Enginuity systems turn that waste into value.



On-Site Electricity Production

Stabilize
long-term
energy costs.



Thermal Recovery

Convert
waste heat into
hot water or
process energy.



Reduce Utility Dependence

Maintain continuous
operations during
outages and
grid instability.



Fuel Optimization

Maximize usable
output from every unit
of natural gas.



3-Year / 8,000- Hour Engine & Generator Warranty

The longest
currently
available in the
CHP market.

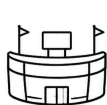
E100 CHP System

**Right-sized for mid-scale facilities
seeking predictable performance
without overbuilding.**

- 100kW electric output
- Ultra-low NO emissions
- Launching H2 2026



DISTILLERY



SPORTS
FACILITIES



AGRICULTURE
OPERATIONS



MULTI-FAMILY
HOUSING



SMALL CLINICS

Why E100?



Right-Sized for Mid-Scale Facilities

Designed for organizations that need reliable on-site power without oversizing their energy infrastructure.



Lower Upfront Investment

Access the benefits of CHP with a smaller footprint and lower capital requirements.



Simple Integration

Compact, commercial-ready design for easier installation and deployment.



Reduce Operating Costs

Generate electricity on-site, recover usable heat, and improve overall energy efficiency.

100KW SPECIFICATIONS

ENGINUITY
POWER SYSTEMS

Electric Power Output	Peak	110kW
	Continuous	100kW
	Standby	100kW
	Voltage / Frequency	480VAC / 60Hz
	Output Wiring	3 phase / 4 wire
System Efficiency	Electric Generation Efficiency	30.8%
	Heat Recovery Efficiency	54.2%
	Overall Efficiency	85.0%
Engine	Manufacturer	Hyundai
	No. of Cylinder	6
	Aspiration	Natural Aspiration
Fuel Type**	Fuel Type**	Natural Gas
	Fuel Pressure - Minimum	1.25psi (35 in. w.c.)
	Fuel Pressure - Maximum	5.8psi (161 in. w.c.)
	Fuel Consumption Rate*	1.1378 MMBTU/hr
	Fuel Connection Port Size	NPT 1-1/2" (DN 40)
Sound Level	Measured at 9.84ft (3m)	85 dBA
Dimension	Length	2,980 mm (117 in)
	Width	1,630 mm (64 in)
	Height	2,256 mm (89 in)
	Height (with cooling fans)	2,486 mm (98 in)
	Weight (with fluids)	3,100 kg (6,834 lb.)
Thermal Output	Peak	194 kW (0.662 MMBTU/hr)
	Continuous	183 kW (0.624 MMBTU/hr)
	Standby	183 kW (0.624 MMBTU/hr)
Water	Temp Rise (ΔT)	20 °C (36 °F)
	Output Water Temp - Max	95 °C (203 °F)
	Water Flow	139 LPM (36.7 GPM) - Rated Flow
	Water Connection Port Size	2" (DN 50)

Notes:

*Based on LHV of 34,129 BTU / m³

**Propane and Hydrogen fuel ready. Contact EPS for more details.

Last Updated: August 2026