



RS1000 | TECHNICAL QUALIFICATION

Waste Heat → Power

A 5-minute first assessment. Approximate values are welcome; enter "unknown" if needed.

1 kW-class free-piston Stirling generator

Up to 1,050 W | Water-cooled | External heat input

Manual baseline: 220 V AC / 50 Hz; ambient -30 to +60°C.

180°C startup is not a full-output rating. Output needs engineering validation.

Available heat



Heat interface



RS1000 / power

Cooling loop / heat rejection required



1 PROJECT & CONTACT

Company / site

Contact / position

Email / telephone

Country / location

Application / heat source

Stage / quantity / target date

2 AVAILABLE HEAT & THERMAL INTERFACE

Source temperature: min / normal / max (°C)

Recoverable heat (kWth) / flow + units

Medium / composition / contaminants

Heat availability (h/year) / variation

Proposed interface / allowable pressure drop

If burner-heated: fuel / pressure / heating value

3 COOLING & SITE CONDITIONS

Cooling water: inlet °C / flow L/min

Heat rejection: radiator / loop / other

Ambient min / max °C; indoor / outdoor

Space L x W x H (mm); hazardous area?

Manual reference: water flow ≥ 10 L/min; circulation volume ≥ 80 L in the example setup.

4 ELECTRICAL LOAD & PROJECT ECONOMICS

Load: continuous / peak (kW); h/day

Required voltage / Hz; grid or off-grid

Existing power / battery / inverter

Electricity or fuel cost + currency / budget

5 SUPPORTING DATA & NEXT STEP

☐ Site photos

☐ Thermal / flow data

☐ P&ID / layout

☐ Load / electrical diagram

Project goal / integration constraints / preferred meeting time

Engineering review required for heat transfer, cooling, controls, net output and electrical compliance.

Hot-end limit differs in manual: 560°C table vs 525°C instructions; RIGID must confirm before design.

RETURN TO RIGID

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product information

