

Test Reports on Holcomb Technology

1. REXEL Mader Motor& Control (2009-9-4)

COP = 4:1

<http://www.borderlands.de/Links/Excerpts from Holcombs-presentation-Stuttgart-June17-2023.pdf>

INDEPENDENT CERTIFICATIONS

*On September 4th, 2009 I witnessed the operation of a generator built by Robert R. Holcomb and did my own verification of operation. On the VoltMaster Standard Generator, we ran three tests with the load bank disconnected to establish base load and three tests with the load bank connected. **Each test required approximately 1.15 kW to produce 1 kW of power.** We then replaced the conventional generator with the unit designed and built by Dr. Holcomb and ran the same test. **On each test only 0.25 kW was required to produce the same 1 kW of power to the load bank.** This was a significant improvement in efficiency in power generation. Rexel/Mader Motor and Control. September, 2009*

Rexel Mader Motor & Control.

2. DNV GL (2019-11-4)

COP = 4.9:1

www.borderlands.de/Links/DNV GL Report with Corrected Stamp.pdf

The HES efficiency derived from 3 test protocols was:

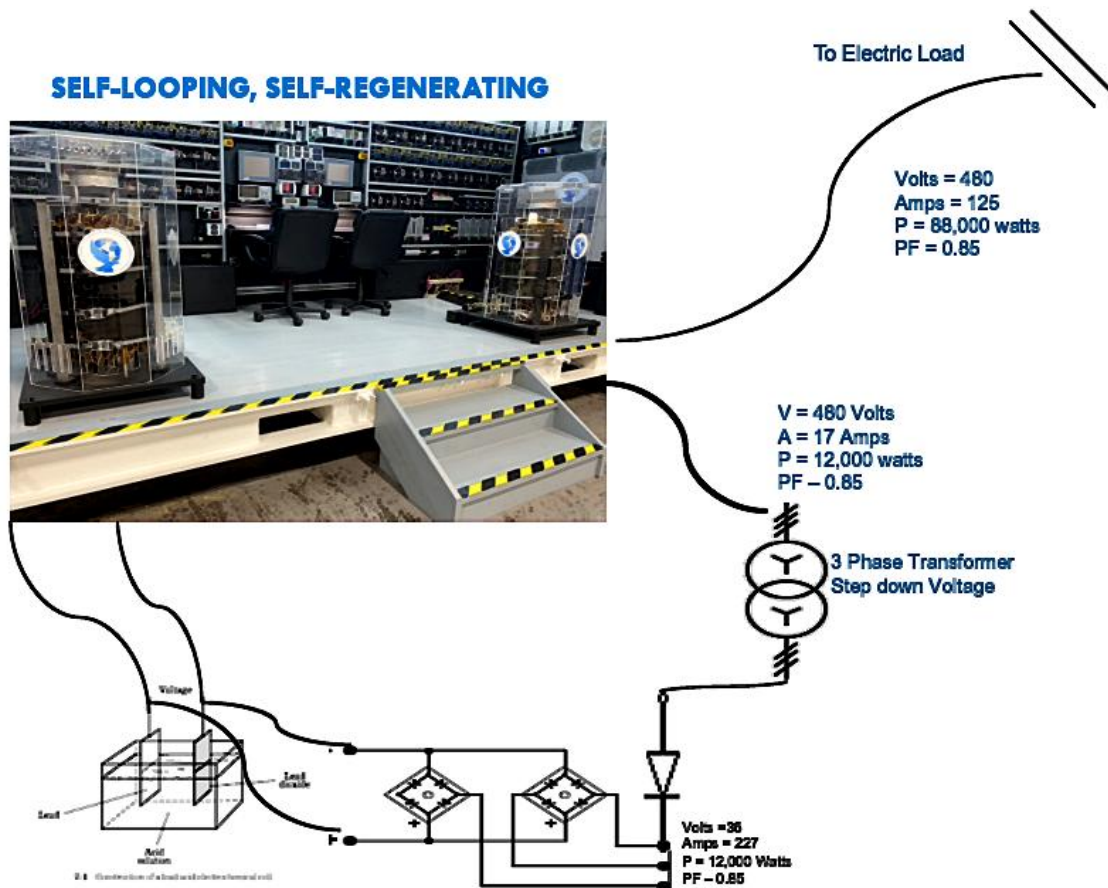
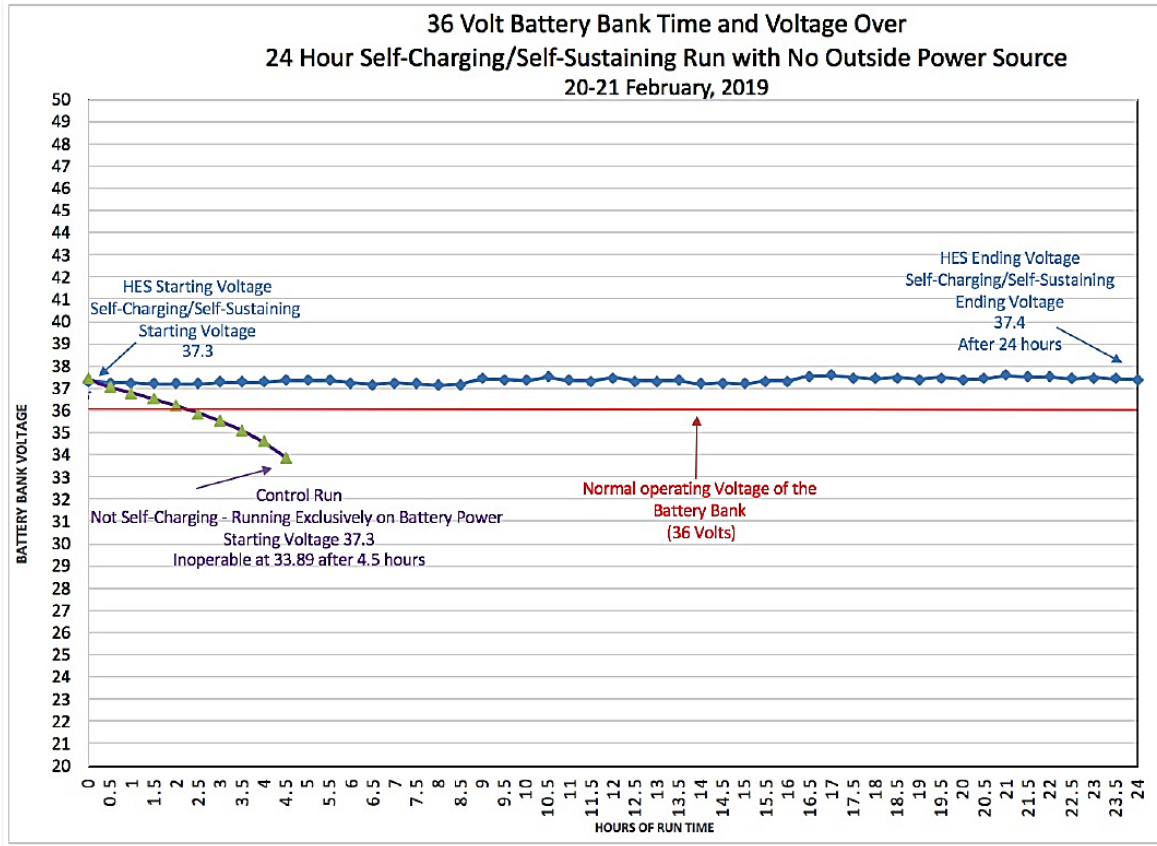
- 374.1% efficient
- 399.6% efficient
- 489.9% efficient

That is 4.899 units of power output for every 1 unit of power input.

Self Sustaining mode

4. **HES Self-Sustaining, Self-Charging Power Generation.** The HES was setup in a self-charging, self-sustaining “looping” mode and ran for 6 hours with no decreased voltage of the onboard capacitor/battery bank. The system was setup with output to a mixed load consisting of a motor load, a resistive load bank and a recharging system consisting of AC to DC power supplies and routing relays. The recharging system fed DC power into the capacitor-battery interface. The startup of the system requires power from this capacitor-battery interface. The system then powered itself while simultaneously powering an electrical load with no deterioration in voltage of the onboard capacitor-battery bank. In previous runs, the HES was operated continuously for 24 hours, also with no deterioration of the voltage in the onboard capacitor/battery bank interface.

Selfsustaining in Holcombs Laboratory on 2019-4-20/21



3. SGS witness verification (2022-3-10)

www.borderlands.de/Links/SGS_Witness_Verification_and_Exec_Summary_of_HES_ILPG.pdf

Test 1	18.57 kW / 9.41 kW	COP = 1.97:1
Test 2	22.95 kW / 8.12 kW	COP = 2.83:1
Test 3	29.49 kW / 14.63 kW	COP = 2.02:1
Test 4	45.17 kW / 15.47 kW	COP = 2.92:1
Test 5	63.55 kW / 12.66 kW	COP = 5.02:1
Test 6	14.82 kW / 4.543 kW	COP = 3.26:1

4. HES energy savings (2023-06-24)

COP = 4.1:1

The ILPG works excellently. Our building has a base load of 8-13 kW. We operate 3 air conditioning systems with 10 kilowatts = 30 kilowatts. So **in total we use about 41 kilo-watts**. It's the height of summer here and the average outside temperature was over 90 degrees F (32 degrees C). **We only needed an average of 10 kilowatts** from the electric-city company. The difference was generated by the ILPG. This means that one unit of electricity is fed in and 4 units of electricity are supplied.

(E-Mail from Ellen Holcomb to AS)

5. HES 500 kW ILPG (2024-2-12)

COP = 3.85:1

www.borderlands.de/Links/_New-500-kW-ILPG-film.pdf

New Inline Power Generator ILPG (for max. 500kW) with amazing results.

Input is 2.44 kW, Output is 9.4 kW COP = $9.4/2.44 = 3.85$

6. Kobolt Maritime Professionals LLC (2025-05-10) COP = 4.04:1

http://www.borderlands.de/Links/May_10_2025_In_Line_Power_Generator_Observations_and_Findings

10 kW plus 15 kW Inline Power Generator ILPG connected to various electrical loads (5 hp motors, fans and lights)

Input to 10 kW ILPG is **4.9 A** * (3*240 V) = 3.53 kW

input PF = 0.969

Output = Input to 15 kW ILPG is **11.7 A** * (3*230 V) = 4.59 kW

Output from 15 kW is **21.1 A** * (3*225 V) = 15.2 kW = 14.24 kW to

output PF = 0.914

Current Quality and Harmonics

www.borderlands.de/Links/Current_quality_in_magnetic_energy_generation_systems

Holcomb Links:

[www.borderlands.de/Links/Information links to Holcomb technology.pdf](http://www.borderlands.de/Links/Information%20links%20to%20Holcomb%20technology.pdf)

www.borderlands.de/Links/Harvesting_Energy_from_Electrons_Spin.pdf

[www.borderlands.de/Links/Interview with Green Tec.pdf](http://www.borderlands.de/Links/Interview_with_Green_Tec.pdf)

www.borderlands.de/Links/Cutting_Energy_Bills.pdf

Holcomb webpage:

<https://holcombenergysystems.com>