



Figure 10. Comparison between the efficiency of the two receivers versus time for the day

4. CONCLUSION

We can deduce the following:

- The high useful energy is obtained with second receiver, equal to 4.351 kw.
- For the second receiver, we have high transmittance, high thermal efficiency and output fluid temperature compared with the first receiver.
- Base the obtained results, the coming years hold much promise for clean energies.
- Solar thermal electricity is a carbon-free source of electricity that is best suited to areas in the world with strong irradiation.

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