

Projet OIP

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11th February 2025



Goals



Sensors



Materials



Autonomous Energy



Autonomous Energy

Consumption: ≈ 331 W



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Solar Panels



Autonomous Energy

Consumption: $\approx 331 \text{ W}$

Solar Panels

2 m^2



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Up to 733 W during sunshine.



Autonomous Energy

Consumption: ≈ 331 W

Solar Panels

2 m²

Efficiency $\eta \approx 43\%$

Up to 733 W during sunshine.

Cost: €1.68



Storing Energy



Storing Energy

Battery



Storing Energy

Battery

Capacity ≈ 600 Wh



Storing Energy

Battery

Capacity ≈ 600 Wh

Weight ≈ 6 kg



Storing Energy

Battery

Capacity ≈ 600 Wh

Weight ≈ 6 kg

Runtime ≥ 1 hr



Storing Energy

Battery

Capacity ≈ 600 Wh

Weight ≈ 6 kg

Runtime ≥ 1 hr

Price: around €50.00



Conclusion

