

Accepted Manuscript

Capacity acquisition for the single-item lot sizing problem under energy constraints

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PII: S0305-0483(16)30423-6
DOI: [10.1016/j.omega.2017.10.004](https://doi.org/10.1016/j.omega.2017.10.004)
Reference: OME 1840

To appear in: *Omega*

Received date: 22 July 2016
Revised date: 21 September 2017
Accepted date: 14 October 2017

Please cite this article as: Christophe Rapine, Bernard Penz, Céline Gicquel, Ayse Akbalik, Capacity acquisition for the single-item lot sizing problem under energy constraints, *Omega* (2017), doi: [10.1016/j.omega.2017.10.004](https://doi.org/10.1016/j.omega.2017.10.004)

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Highlights

- Single-item lot sizing problem integrated with energy constraints
- Production system constituted of parallel and identical capacitated machines
- Limited energy in each period, consumed by machine start-ups and production
- Capacity acquisition problem for null energy parameters
- $O(T \log T)$ time polynomial time algorithm for various extensions

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