



Epic Power Converters, S.L.
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AN019
This document needs to be fulfilled to verify the accessibility of the ERS system to the current elevator installation and be able to estimate the savings that can be achieved

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V1.4
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Information for validity check ERS - AN019

Information for ERS 2G integration

Introduction

The ERS 2G has a maximum power and energy storage limitation to achieve the maximum savings possible in different kind of elevators. In addition, the system is designed to put in parallel as many systems as needed.

This document purpose is gathering all the information required to ensure that the ERS 2G can be properly installed and that energy savings can be achieved. The client needs to fulfil the following information about the elevator where the system needs to be installed:

- ❖ Maximum Load [kg]
- ❖ Nominal speed [m/s]
- ❖ Total travel distance [m]
- ❖ Type of building (Hospital, offices, hotel, public building....)
- ❖ Frequency drive reference (Technical documentation or manual)
- ❖ Electric Motor type (geared or gearless?)
- ❖ Mains voltage (Single phase 220 Vac, Three phase 400 Vac...)

Epic power will provide an estimation of the energy savings to be achieved in that specific elevator. That work will be done by epicpower in the first iterations with a client. After that, selection tables and tools will be provided to the client to make them able to estimate the savings themselves.