

# Reverse Engineering of Juno Mission Homework 6

Course of Space System Engineering & Operations Academic Year 2023-2024

## Group 5

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#### Notation

**EPS** Electric Power System

**SYM** Remove this line<sup>[1]</sup>

#### 1 Introduction of EPS

#### 2 Analysis of power requirements along the mission

In the following section the power budget is presented. All the subsystems have different requirements throughout the whole mission which has been dived in multiple phases and modes.

	LEOP	Cruise	ME Man.	RCS Man.	GRAV	MWR	BTT Charge
PS	0	0	20	99	0	0	0

Table 1: Instruments thermal limits and power usage

- 3 Architecture and rationale of EPS
- 4 Reverse sizing of EPS

### Bibliography

[1] Richard Grammier. Overview of the Juno Mission to Jupiter. Site: https://www.jpl.nasa.gov/missions/juno. 2006.