

Reverse Engineering of Juno Mission Homework 6

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

Group 5

Alex Cristian Turcu	alexcristian.turcu@mail.polimi.it	10711624
Chiara Poli	chiara3.poli@mail.polimi.it	10731504
Daniele Paternoster	daniele.paternoster@mail.polimi.it	10836125
Marcello Pareschi	marcello.pareschi@mail.polimi.it	10723712
Paolo Vanelli	paolo.vanelli@mail.polimi.it	10730510
Riccardo Vidari	riccardo.vidari@mail.polimi.it	10711828

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Notation

EPS Electric Power System

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- 1 Introduction of EPS
- 2 Analysis of power requirements along the mission
- 3 Architecture and rationale of EPS

The endeavour that Juno faces to generate enough electricity to sustain science operations at 5.44 AU required particular attention in designing an efficient and reliable electric control system.

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.