Solar Power Generation System for the Canadian Space Agency STRATOS Program

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Figure 1 - High level design of one MPPT Controller
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Figure 2 - Front Side of Gondola With Four Solar Panels using SOLAR CELL C60 Sunpower Solar Cells

Figure 3 - Front Side of Gondola With Four Solar Panels using Azurspace Solar Cells
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Figure 4 - Power Output Graph using C60 Sunpower Cells (19% efficiency)

Figure 5 - Power Output Graph using Azurspace Cells (28% efficiency)
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Figure 6 – Buck Converter Design

Figure 7 – Boost Converter Design
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Figure 8 - Power Output Graph using Sunpower Cells (19% efficiency)

Figure 9 - Power Output Graph using Sunpower Cells (19% efficiency)