

Product Change Notice

Product Models: NanoPower MSP and NanoPower DSP

Dear Valued Customer,

Due to extended sourcing lead-times with one of our Solar Panel Cell suppliers AZUR, we are in the process of creating variants of our popular MSP and DSP Solar Panel Arrays using Solar Panel Cells from another key supplier CESI from GomSpace's existing supply chain. This change will come into immediate effect and is expected to last for the next 18-24 months.

NOTE: CESI cells have flight heritage and are used in our TSP (Tracking Solar Panel) product.

For power budgeting purposes please note that the CESI cells have a slightly lower efficiency than the current AZUR cells.

(@1367 W/m ²)	BOL	EOL (5E14 e/cm ²)
AZUR	29.3%	27.6%
CESI	28%	25.5%

This translates to an approximate 7% lower power output at 20 degC. Please refer to the Solar Panel Cell datasheets below for further technical information.

AZUR

- 30% Triple Junction GaAs Solar Cell Assembly Type: TJ Solar Cell Assembly 3G30A
- Refer to datasheet DB 0003401-01-01 dated 2016-08-19
- https://www.azurspace.com/images/products/0003401-01-01_DB_3G30A.pdf

CESI

- Low-Cost Triple-Junction Solar Cell for Space Applications (CTJ – LC)
- Refer to Datasheet-CTJ-LC/SCA-8040
- <https://www.cesi.it/app/uploads/2020/03/Datasheet-CTJ-LC.pdf>

GomSpace product datasheets for DSP and MSP will be updated accordingly to reflect the above changes.

Russell Gallant

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