AZUR SPACE
A 5N PLUS COMPANY



# AZUR SPACE Product Naming Information

AZUR SPACE space solar devices follow a logical and informative combination of variables to provide information relevant to decision makers understanding the differences between standard products. AZUR SPACE technologies are representatively named like:

**3G28C** **3G30C-Advanced** **4G32A-Advanced**

These product technology descriptions break into up to four discrete elements of the technology. To aid in understanding what this means, these product technology titles are repeated and separated into up to four separate parts:

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| 3G | 30 | C | - Advanced |

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| 4G | 32 | A | - blank |

Each position (designated 1 – 4 above) in these product names can be better understood as follows:

1) The #1 position reflects the AZUR SPACE technology generation or number of junctions in the MOCVD growth in the EPI wafer. For example 3G ion the first title position indicates 3rd Generation, or a Triple Junction technology. Alternatively, 4G in the 1st title position represents 4th Generation, Quadruple junction or "Four Junction" device.

2) The #2 position in the title reflects the Beginning of Life (BOL) efficiency ***family*** as derived from a 4x8 device from a 100mm Germanium wafer. This position typically shows a "27" (27% family), "28" (28% family), "30" (30% family) or "32" (32% family).

3) The #3 position indicates the AZUR SPACE product configuration. "C" means "Cell" or a Bare Cell configuration. Alternatively, "A" means an Assembly (CIC or SCA). Be advised there may or may not be a "-" after the C or A in documentation.

4) The #4 position of the product title indicates the evolution of the technology. If this #4th position is blank (i.e., nothing follows "C" or "A"), then this is the baseline, original qualification of this 3G or 4G technology. If "Advanced" (or "Adv.") is in this position, this technology is newer than the initial baseline qualification, and is the most current generation, updating the baseline through a subsequent qualification and engineering verification cycle.

AZUR SPACE standard space technologies and component products have demonstrated to an in-orbit TRL-9 level heritage and an MRL-10 maturity designation. AZUR SPACE is certified to ISO 9001:2015 (Quality Management System (QMS)), EN 9100:2018 (QMS, USA equivalent to AS 9100D and Asian equivalent to JISQ 9100:2016), as well as ISO 14001:2015 (Environmental Management System) and EN ISO 45001:2023 (Occupational Health & Safety).

Please refer to the AZUR SPACE **General Information Sheet** for additional information including in-orbit heritage, quality certifications, business licenses, product registrations and general company information at www.azurspace.com. AZUR SPACE contact information is shown below and is also available on our website.

**THE END**




**AZUR SPACE Solar Power GmbH**
Theresienstrasse 2
74072 Heilbronn, Germany
E-Mail: sales@azurspace.com
Web: azurspace.com