

NEWSPACE MARKET · COMPANY PROFILE

AZUR SPACE
A 5N PLUS COMPANY

AZUR SPACE

Germany · founded 1964 · azurspace.com

7

PRODUCTS

7

WITH DATASHEETS

newspacemarket.com/companies/azur-space-solar-power/

as of 20 August 2026

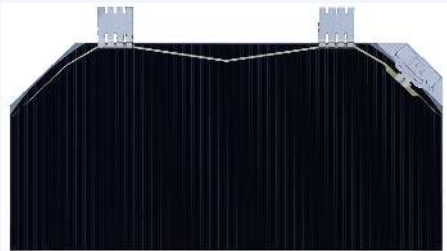


AZUR SPACE

AZUR SPACE designs and manufactures multi-junction solar cells for space photovoltaics and terrestrial concentrating photovoltaics applications. The company provides solar cells and Coverglass Interconnected Cell (CIC) assemblies. Its customers include space agencies such as ESA, DLR, and NASA, and it supplies solar cells for scientific missions and commercial telecommunication and Earth exploration satellite programs. Notable programs include Hubble Space Telescope, Rosetta, Venus Express, Mars Express, Bepi Colombo, EarthCare, JUICE, HERA, Europa Clipper, Intelsat, Globalstar, Hotbird, ATV, Galileo Sat, Meteosat, Glonass, GMES, and OneWeb. AZUR SPACE is headquartered in Heilbronn, southern central Germany, where it was founded. Since 1964, it has delivered over 16 million space qualified solar cells and CIC assemblies, providing more than 11 MW of power to over 2,500 space projects. Its products have flown on satellites in all Earth orbits (LEO, MEO, GEO) and spacecraft operating from Mercury to Jupiter. The company became part of 5N Plus Inc. in 2022.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

Product catalogue



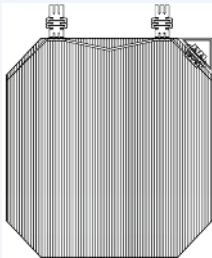
AZUR SPACE

QJ 4G32-Advanced Space Solar Cell (4x8)

32% class quadruple-junction AlInGaP/AlInGaAs/InGaAs/Ge cell of 30.60 cm2 with 31.3% BOL efficiency and 3.3 g mass.

Part numbers	82921 (bare cell) / 82922 (assembly)
Base material	AlInGaP/AlInGaAs/InGaAs/Ge on Ge
Outer dimensions	40.08 x 80.08 mm (bare cell) / 40.26 x 80.26 mm (assembly)
Cell area	30.60 cm2 (glassed area 31.34 cm2)
Average weight	3.3 g bare cell (<= 109 mg/cm2) / 4.2 g assembly (<= 139 mg/cm2)
Thickness	195 +/- 25 um bare cell / 330 +/- 50 um assembly
Coverglass	100 um AR coated

price on request [datasheet](#)



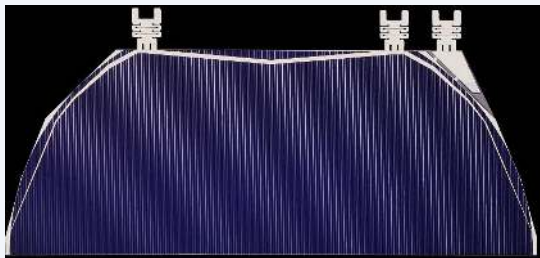
AZUR SPACE

QJ 4G32-Advanced Space Solar Cell (8x8)

32% class quadruple-junction cell of 60.35 cm2 with 31.1% BOL efficiency, 3415 mV open-circuit voltage and 6.5 g mass.

Part numbers	82883 (bare cell) / 82884 (assembly)
Base material	AlInGaP/AlInGaAs/InGaAs/Ge on Ge
Outer dimensions	80.00 x 80.00 mm (bare cell) / 80.15 x 80.15 mm (assembly)
Cell area	60.35 cm2 (glassed area 61.46 cm2)
Average weight	6.5 g bare cell (<= 107 mg/cm2) / 8.5 g assembly (<= 140 mg/cm2)
Thickness	190 +/- 50 um bare cell / 320 +/- 50 um assembly
Coverglass	100 um AR coated

price on request [datasheet](#)



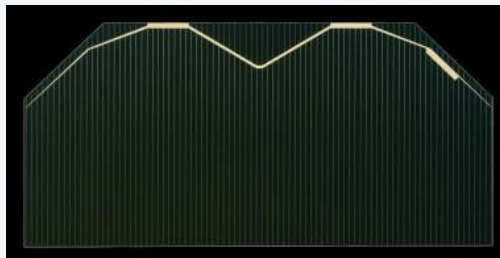
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QJ 4G32-Advanced Space Solar Cell (HP)

Large-format 32% class quadruple-junction cell of 77.44 cm² in a 148 x 60.6 mm format, 30.8% BOL efficiency.

Part numbers	82902 (bare cell) / 82903 (assembly)
Base material	AlInGaP/AlInGaAs/InGaAs/Ge
Outer dimensions	148.06 x 60.56 mm (bare cell) / 148.26 x 60.76 mm (assembly)
Cell total area	77.44 cm ² (glassed area 78.62 cm ²)
Average weight	10.4 g bare cell (<= 134 mg/cm ²) / 13.6 g assembly (<= 175 mg/cm ²)
Thickness	245 +/- 25 um bare cell / 380 +/- 50 um assembly
Coverglass	100 um AR coated

[price on request](#) [datasheet](#)



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TJ 3G30-Advanced Space Solar Cell (4x8)

30% class triple-junction InGaP/GaAs/Ge bare cell and CIC assembly, 30.18 cm², 29.5% BOL efficiency, 2.6 g bare cell.

Part numbers	81441 (bare cell) / 81442 (assembly)
Base material	InGaP/GaAs/Ge on Ge
AR coating	TiO ₂ /Al ₂ O ₃
Outer dimensions	40.00 x 80.00 mm (bare cell) / 40.15 x 80.15 mm (assembly)
Cell area	30.18 cm ² (glassed area 31.13 cm ²)
Average weight	2.6 g bare cell (<= 86 mg/cm ²) / 3.6 g assembly (<= 118 mg/cm ²)
Thickness	150 +/- 20 um bare cell / 290 +/- 50 um assembly

[price on request](#) [datasheet](#)



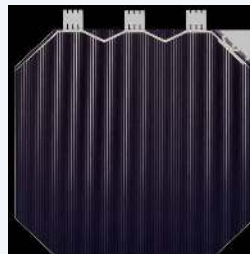
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TJ 3G30-Advanced Space Solar Cell (6x12)

30% class triple-junction bare cell and CIC assembly of 71.25 cm², 150 um thick, 6.1 g bare cell.

Part numbers	82943 (bare cell) / 82926 (assembly)
Base material	InGaP/GaAs/Ge on Ge
AR coating	TiO ₂ /Al ₂ O ₃
Outer dimensions	60.5 x 124.3 mm (bare cell) / 60.7 x 124.5 mm (assembly)
Cell area	71.25 cm ² (glassed area 72.65 cm ²)
Average weight	6.1 g bare cell (<= 86 mg/cm ²) / 8.8 g assembly (<= 123 mg/cm ²)
Thickness	150 +/- 25 um bare cell / 290 +/- 50 um assembly

[price on request](#) [datasheet](#)



AZUR SPACE

TJ 3G30-Advanced Space Solar Cell (8x8)

30% class triple-junction bare cell and CIC assembly of 60.35 cm² with 29.3% BOL efficiency and 5.2 g bare cell mass.

Part numbers	81780 (bare cell) / 81752 (assembly)
Base material	InGaP/GaAs/Ge on Ge
Outer dimensions	80.00 x 80.00 mm (bare cell) / 80.15 x 80.15 mm (assembly)
Cell area	60.35 cm ² (glassed area 61.46 cm ²)
Average weight	5.2 g bare cell (<= 86 mg/cm ²) / 7.1 g assembly (<= 118 mg/cm ²)
Thickness	150 +/- 50 um bare cell / 280 +/- 50 um assembly
Coverglass	100 um AR coated

[price on request](#) [datasheet](#)



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TJ 3G30-Advanced Space Solar Cell (HP)

High-power 30% class triple-junction cell of 77.55 cm² in a 145.9 x 60.7 mm format, 10.4 g bare cell.

Part numbers	82942 (bare cell) / 82924 (assembly)
Base material	InGaP/GaAs/Ge on Ge
Outer dimensions	145.90 x 60.69 mm (bare cell) / 146.10 x 60.89 mm (assembly)
Cell area	77.55 cm ² (glassed area 78.64 cm ²)
Average weight	10.4 g bare cell (<= 134 mg/cm ²) / 13.1 g assembly (<= 170 mg/cm ²)
Thickness	245 +/- 25 um bare cell / 380 +/- 50 um assembly
Coverglass	100 um AR coated

price on request

[datasheet](#)

Contact AZUR SPACE

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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<https://www.azurspace.com>

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