

GEMINI SPACE PANEL

Double Deployable Solar Panels for 3U Cubesats

Designed by **SPIRE GLOBAL**

Manufactured by **DHV Technology**



44 W nominal power



One Double side panel



Tested under launch loads



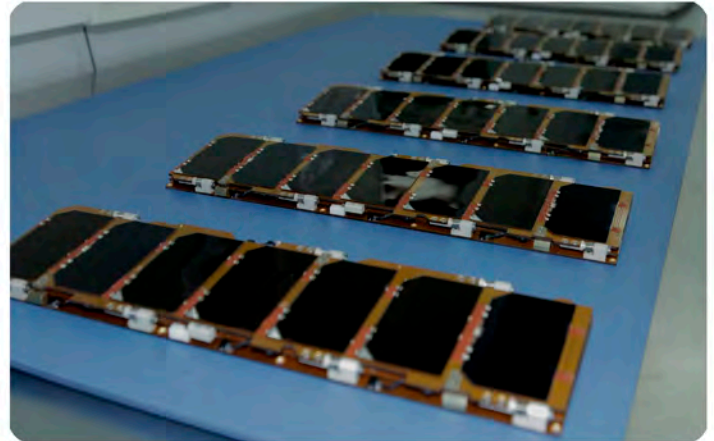
Deployment test at low/high temp



Successful deployment signal



Temperature sensors



TRL 9 – Proven at LEO constellation level

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Features

Solar panel parameters	3U (double deployable)
Power (AMO WRC) 1367 W/m ² ; T = 28 °C	29.6W (4 x strings)
Max Current (A)	1.7A (4 x strings)
Max Voltage (V)	17.3V (1 x string, 7 x cells)
Standard configuration	7S4P (7 cells x 4 strings)
Temperature sensor	LM335
Mass (g)	410 ± 10 g
Total thickness in stowed position (mm)	9.6 ± 0.2 mm
Deployed position (deg)	135°

Manufacturing

Assembly and integration process

Quality control process in all stages

Manufacturing in a clean room ISO 8 level

In mass production for satellite constellations

Testing and qualification capabilities under request

