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## 6U CubeSat SIDE Solar Panel

**Cost:\$14,300.00**

### 6U CubeSat SIDE Solar Panel

- High quality PCB Substrate with space-grade Kapton coverlay (picture opposite is not a 6U panel, but is indicative of the size and configuration of a 6U Panel).
- 18 large area triple junction cells with 28.3% efficiency minimum
- Temperature sensor, reverse bias protection diodes and harness connector
- Compatible with CubeSatKit structure (ISIS [and other]structure version available on request)
- Manufactured to Clyde Space qualified, flight heritage processes using space grade materials
- Other sensors available for inclusion on solar panel (i.e. coarse and fine sunsensors). Magnetometers and/or rate sensors can be included, but we advise that these are placed in a more thermally benign location due to the device temperature coefficients.
- Also available with integrated magnetorquers
- All manufacturing at Clyde Space is to our ISO9001:2008 accredited processes by our ESA trained assembly staff (see our Quality Manual ([http://www.website.com/about\\_us/quality\\_management\\_clyde\\_space](http://www.website.com/about_us/quality_management_clyde_space)))
- Solar\_Panel\_Datasheet (<http://www.website.com/documents/2625>)
- 3D Model available on request.

#### Performance Specifications of this Solar Panel:

Parameter	Units	6U Side Panel
BOL Voc at -40°C	(V)	27.60
BOL Vmpp at -40°C	(V)	25.13
BOL Vmpp at 80°C	(V)	16.94
BOL Vmpp at 28°C	(V)	21.15
BOL Power at -40°C	(W)	22.18
BOL Power at 80°C	(W)	16.10
BOL Power at 28°C	(W)	18.75
Mass 1.6mm PCB no MTQ	(g)	290
Mass 1.6mm PCB w/ MTQ	(g)	340
Magnetic Moment 1.6mm PCB w/ MTQ (Am <sup>2</sup> )	TBD	

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