SOLAR ARRAYS
We offer configurations ranging from simple body mounted panels to multi-wing deployed arrays with the option to gimbal up to two arrays. Our standard arrays include 30% efficient cells and carbon fiber substrates.

POWER SYSTEMS CAPABILITIES
Functionality is included for solar array input power, on-board or external battery, charge control, power regulation and distribution, and data acquisition. Additional features include: charge and distribution fault protection, modular architecture for storage and generation capability, and heater controllers for spacecraft use.
POWER SYSTEMS CAPABILITIES

### NOMINAL PARAMETERS

<table>
<thead>
<tr>
<th></th>
<th>3U</th>
<th>6U/12U</th>
<th>VENUS-CLASS MICROSAT</th>
<th>SATURN-CLASS MICROSAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOLAR ARRAY POWER (W)</td>
<td>28 - 42</td>
<td>48 - 118</td>
<td>192 - 384</td>
<td>500-1000</td>
</tr>
<tr>
<td>ARRAY VOLTAGE (VDC)</td>
<td>16.8</td>
<td>19.2 or 38.4</td>
<td>38.4</td>
<td>38.4</td>
</tr>
</tbody>
</table>

### FEATURES INCLUDE:

- **Solar Arrays** – Industry-leading 30% efficient solar cells, carbon fiber and honeycomb structures that pair with GNC for maximum performance
- **Solar Array Drive Assemblies** – BCT-built solutions for 3U, 6U, 12U and Microsat spacecraft

BCT 6U-V Double Wing Solar Array
48W - 96W per 6U/12U

BCT 6U-H Triple Wing Solar Array
80W - 118W per 6U/12U

BCT 3U Double Wing Solar Array
28W - 42W per 3U

VENUS-CLASS MICRO SAT

SATURN-CLASS MICRO SAT

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