



SPACECRAFT BUSES,  
SYSTEMS & SOLUTIONS

# SOLAR ARRAY DRIVE ASSEMBLIES



Maximize your payload operation time by freeing up the solar array pointing constraints using our effective and cost-efficient Solar Array Drive Assemblies (SADAs). Blue Canyon Technologies SADAs have increased capabilities across our suite of spacecraft. From standard to custom solutions, Blue Canyon has the pointing mechanisms to enable even the most complex of smallsat missions.



**SADA-17**



**SADA-17**

MASS	1.5 kg	1.66 kg
VOLUME	ø11.1 x 12.5 cm	ø11.1 x 15.0 cm
RATED TORQUE	10 Nm	10 Nm
RANGE OF MOTION	+/- 175°	+/- 175°
MAXIMUM RATE	10°/s	10°/s
POWER CONSUMPTION (MANUEVER)	12 W	12 W
DESIGN LIFE	5 Years	5 Years
SOLAR ARRAY STRING COUNT	15 Strings	25 Strings
MAXIMUM CURRENT per SOLAR ARRAY STRING	1.4 A	1.5 A
SOLAR ARRAY COMPATIBILITY	Venus Class Microsat Array, Saturn Class Microsat Array, Custom Array	

Note: This data is for information only and subject to change. Please contact Blue Canyon Technologies for current design data.



2550 Crescent Drive  
Lafayette, CO, 80026

[BLUECANYONTECH.COM](http://BLUECANYONTECH.COM)

REV 1/2024