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). Our SADAs have increased capabilities across our suite of spacecraft. From standard to custom solutions, we have the pointing mechanisms to enable even the most complex of smallsat missions.





	SADA-3	SADA-3HP
MASS	1.5 kg	1.73 kg
VOLUME	ø11.1 x 12.5 cm	ø11.1 x 15.0 cm
NOMINAL OUTPUT TORQUE	10 Nm	10 Nm
RANGE OF MOTION	+/- 175˚	+/- 175˚
OUTPUT STEP SIZE	0.015˚	0.015˚
MAXIMUM RATE	10˚/s	10˚/s
MOTOR TYPE	Two-Phase Stepper	Two-Phase Stepper
POWER CONSUMPTION (MAX TORQUE)	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	1.6 A
SOLAR ARRAY COMPATIBILITY	Venus-100 Microsatellite Array, Saturn-200 Minisatellite Array, Custom Array	

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



MDA SPACE

2550 Crescent Drive
Lafayette, CO 80026

MDASPACEUSA.COM

REV-1/2027