

## SADM 200/400

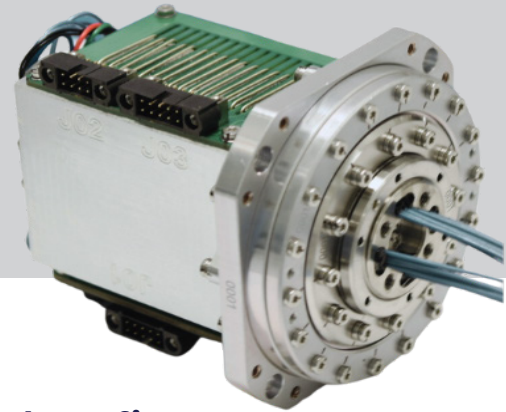
Solar Array Drive Mechanism



Comat has developed a SADM for small satellite to optimise on board power generation.

This very compact mechanism allows accommodation on small satellites with an integrated slip ring.

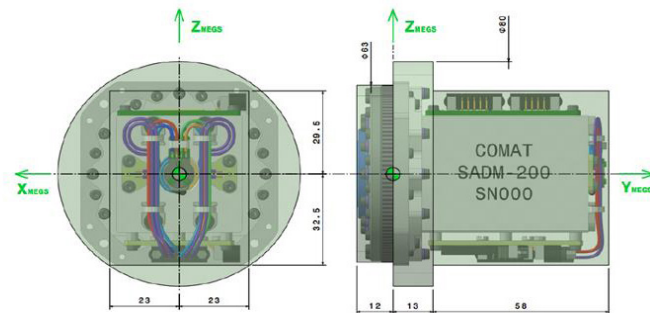
This equipment is delivered with embedded plug & play electronics.



### Main benefits

- ✓ Plug & play
- ✓ Unlimited rotation (slip ring)
- ✓ 5 years lifetime
- ✓ Compact accommodation

### Product size



ITAR FREE  
International Traffic  
in Arms Regulations



## Key features

### Torque

350mNm

### Data Interface

RS 485

### Accuracy

3°

### Lifetime

5years LEO

### Overall mass

465g (+/-5%)

### Qualification mechanical environment

QSL : 25g  
Random : 20.8g  
Shock : 1,000g/2,000Hz

### Protocol

NSP communication protocol

### Supply Voltage

14V [10V;18V]

### Radiation

<20 Krad

### Power transmission

Voltage up to 50V  
Power 100W under 14V  
Power 200W under 28V  
Power 400W under 50V

14 independent power lines  
(+2 data and 1 ground)

### Acceptance Test

Vibration  
Thermal cycling  
Performances



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SmallSat

