

# Magnetic Torquer

The magnetic torquer creates a magnetic moment to control the satellite attitude by interfacing with the magnetic field of the earth. The product designed interiorly with soft magnetic materials and enameled copper wires of a high reliability and exteriorly carbon fibers of high rigidity, has already been applied and verified to many of the in-orbit satellites of Jllin-1 series.



 Consult

 Contact

## The main technical indicators

Technical Specifications	
Items	Specifications
Rated output magnetic moment	15Am <sup>2</sup>
Remnant magnetic moment	≤0.1Am <sup>2</sup>
Resistance value	24Ω
Time constant	≤80ms
Nonlinear deviation	< 2%
Supply voltage	12V
Power consumption	≤3W
Environment suitability	Temperature: -10°C~+45°C
External envelope dimension	280mm×56mm×53.5mm
Weight	0.67kg±0.03kg
Designed lifecycle	15 Years
Homologous products	5Am <sup>2</sup> /10Am <sup>2</sup> /15Am <sup>2</sup> /20Am <sup>2</sup> /30Am <sup>2</sup> /100Am <sup>2</sup>
Delivery cycle	3 Months