

Wind Turbine Slip Ring



Main Application:

Wind turbine generator

Option:

1. Reinforced bearing
2. Tube and rotary transmission
3. Heating
4. Vent plug
5. Fiber data transmission
6. Provide encoder according to different design model

Contact us to discuss your special needs

LPW-03

Wind Turbine Slip Ring

Description

This unit can be used in any electromechanical system that requires unrestrained, continuous rotation while transferring power or data from a stationary to a rotating structure. It is also called a rotary electrical interface, commutator, collector, swivel or an electrical rotary joint. It can improve electromechanical capability, simplify system design, eliminate possible damage while rotation.

This is constantly being extended in order to also meet the developments in signal and data Transmission. JINPAT has developed a comprehensive standard programmed that is able to offer optimum solutions. The standard programmed enables the creation of slip ring bodies of any number of poles up to 100 for power and data/signal currents. Slip ring bodies can be supplied either as open slip ring bodies to be built per customers' requirements or in a housing of impact-resistant plastic or sheet metal.

Features:

1. 6 circuits models
2. Electrical data
3. Compatible with data bus protocols
4. Sealed units are available
5. Control and data transmission
6. Wiring and max. number of poles
7. More technical details
8. Volume of delivery
9. Flexible, color-coded, silver-plated, lead wires
10. Precision ball bearings meet or exceed life requirements for most commercial applications

Advantage:

1. Digital signals up to max. 500 kB
2. Amperages up to 1200 A and volt- age up to 24 kV
3. Diameters > 10 m, high rotation speed
4. Extreme operating conditions
5. Protection class: IP 65

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Specification	
Model	LPW-03
Working Temperature	-30℃~+50℃
Working Humidity	60%RH or higher
Operating Speed	0-30RPM
Electrical:	
Variable Propeller Power	5 circuits @ 400VAC 100A
Auxiliary Power	3 circuits @ 230VAC 16A
Signal	10 circuits @ 24VAC 5A
Data	6-12 circuits @ 24VAC 1A
Mechanical:	
Brush Material	Precious Metal
Housing Material	Cast Aluminum
Protection	IP65

- ◆ The operating life of the unit depends upon temperature, rotation speed and environment.
- ◆ The operating life ≥120,000,000 runs ref.

