Wind Turbine Slip Ring

LPW-02

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Description

LPW-02 Wind Turbine Slip Ring 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 meet the developments in signal and data Transmission. JINPAT has developed a com-prehensile 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.

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

Features:

1. 3 circuits models
2. Electrical data
3. Compatible with data bus protocols
4. Sealed units are also 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, insulated lead wires
10. Precision ball bearings meet or exceed life requirements for most commercial application.

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 43

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Specification	
Poles	3
Operating Speed	0-300rpm
Working Temperature	-35℃~ +50℃
Working Humidity	60%RH or higher
Electrical:	
Voltage Rating	1000VAC/DC or higher
Current Rating	30A per circuit
Dielectric Strength	≥500V@50Hz between each circuit
Insulation Resistance	1000MΩ@ 500VDC
Electrical Noise	1mΩ Min
Mechanical:	
Contact Material	Carbon Brush
Lead Wire Size	High Temperature Resistant Material
Lead Wire Length	Standard 250mm(9.843inch)
Protection	IP43 or higher

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