

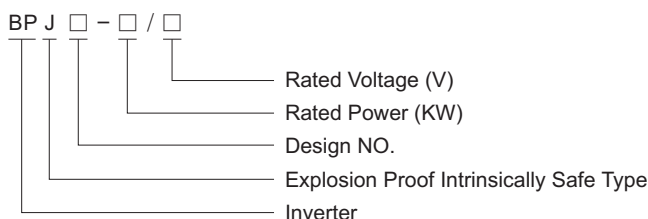
BPJ1 | Mining Explosion Proof Intrinsically Safe AC Inverter



Use

The inverter is applicable in the environment of coal mine and places where are filled with explosive gas mixture such as methane and coal dust. It is used in the power supply system of AC 50Hz, voltage is 1140V or 660V, rated power is up to 560KW in the AC electric motor, it is designed with new ideas, adopts the techniques such as frequency change, vector control and explosion proof. Various controlling modes of FOC(Magnetic field directional vector control), senseless vector control and V/F control; operates among four quadrants, energy feedback function which has obvious effect; low speed with high torsion which is up to 200% as big as starting torsion.

Meaning of Type



Technical Descriptions

1. FOC (magnetic field directional vector control), senseless/sensible vector control mode.
2. Adopts PWM reproducible energy mode of commutating power source supplying device.
3. Operates among four quadrants.
4. Circuit voltage fluctuates with compensation, power factor could be set.
5. Function of synchronous control.
6. Multi-circuit simulation value input interface and function of automatic programming.
7. Complete protection function and malfunction diagnosis system.
8. MAX. 200% as big as starting torsion.
9. Supports long distant communication, Modbus and Profibus communication.

Technical Data

Type	Rated voltage (V)	Rated control power (kW)	External diameter of cable(Φmm)		Dimension W × H × D(mm)
			Main circuit	Control circuit	
BPJ1-110/660	660	110	19-51	8-19	1192×929×1310
BPJ1-250/660	660	250	28-63	8-19	1792×1211×1155
BPJ1-400/660	660	500	42-78	8-19	1929×1511×1240
BPJ1-132/1140	1140	132	28-63	8-19	1792×1211×1155
BPJ1-250/1140	1140	250	28-63	8-19	1674×1093×1020
BPJ1-500/1140	1140	560	42-78	8-19	1929×1511×1240