

主要技术参数 (Main technical data) :

专用移变输入侧 Transformer Input	额定电压 Voltage	6/10kV-15%~+10% (满载情况下 Full Load)
	相数 / 频率 (Number of Phase/Frequency)	3/50Hz±5%
变频器输入 VFD Input	额定电压 Voltage	2×1903V-15%~+10% (满载情况下 Full Load)
	相数 / 频率 (Number of Phase/Frequency)	6/50Hz±5%
变频器输出 VFD Output	额定功率 Power	BPJV ₃ -3x2200/3.3 (3×2200kW) BPJV ₃ -3x1600/3.3 (3×1600kW) BPJV ₃ -2x1600/3.3 (2×1600kW) BPJV ₃ -3x1250/3.3 (3×1250kW) BPJV ₃ -2x1250/3.3 (2×1250kW) BPJV ₃ -3x855/3.3 (3×855kW) BPJV ₃ -2x855/3.3 (2×855kW)
控制 Control	额定电压 Voltage	0~3.3kV
	过载能力 Over Load	典型150% 1分钟 (120%-250%可选择)
	频率 Frequency	0~50Hz
	输入/输出接口 Input/Output	16数字量输入/16数字量输出 16 digital/16 digital
	通讯接口 Communication	Earth Net/CAN/Profibus/RS485
	信号隔离方式 Isolation	光电隔离 Photoelectric
	控制信号传输 Signal Transmission	光纤传输 Fibre-optical
环境 Environment	存放条件 Storage	-20~70°C
	振动 Vibration	10~150Hz, 0.5g以下
防护等级 Degree of Protection		IP54, ExdI
外形尺寸/重量 Dimension/Weight		三组合型: 4275×1290×1580mm/≤10.5T 二组合型: 3280×1260×1580mm/≤6.5T

MINE USE FLAMEPROOF AND INTRINSICALLY SAFE HIGH VOLTAGE COMBINED VFD

矿用隔爆兼本质安全型高可靠高性能高压独立组合变频器

BPJV₃-3x2200/3.3 BPJV₃-2x2200/3.3
BPJV₃-3x1600/3.3 BPJV₃-2x1600/3.3
BPJV₃-3x1250/3.3 BPJV₃-2x1250/3.3
BPJV₃-3x855/3.3 BPJV₃-2x855/3.3



Exd [ib] I Mb



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主要产品特点(Key product features):

- ◆ 真正的“高压独立组合变频器”，放置于一台组合壳体内部的3（2）台变频器之间完全相互独立，互不影响，每台变频器以一拖一方式分别给电动机供电，既完全独立又组合于一体，高可靠性、高功率密度
Really "Combined VFD", 3 or 2 independent VFD placed in 1 combinational designed enclosure body; each VFD drive 1 motor, High reliability and high power density
- ◆ 基于大功率IGBT的高可靠和高效
High reliability and high efficiency based on the IGBT power semiconductors
- ◆ 基于高性能矢量（DTC）控制技术平台的杰出高转矩和高精度速度控制
Exceptionally high torque and speed performance based on VECTOR(DTC) control platform
- ◆ 高效水冷设计，体积小，噪音低
High efficiency water cooling design, small size, low noise
- ◆ 启动转矩大，软起软停，消除机械及电流冲击，延长设备使用寿命
High starting torque, soft start&stop, eliminate the mechanical shock&inrush current, extend the life time of equipment
- ◆ 变频器到电机电缆距离可达3公里
Long cable from the VFD to motor is permitted for 3 km
- ◆ 基于12脉波低谐波整流技术，满足GB14549-1993、IEEE519/1992 and UKG5/3的要求
Based on 12 pulse low harmonic rectification technology, conform to GB14549-1993, IEEE519/1992 and UKG5/3
- ◆ 全调速范围综合功率因数达0.95以上
Total power factor: 0.95⁺ over speed range
- ◆ 低速高转矩功能
high output torque at very low speed
- ◆ 可选择运行、检修、维护模式，满足生产工况需要
Normal running, regular examine and repairing mode can be selected to meet the demand of production

- ◆ 具有以太网、CAN、Profibus、Rs485等通讯接口，可实现与上位机通讯、集控运行和远程监控
With ethernet/CAN/profibus/RS485 optional communication interface, the centralized-control&remote monitor can be easily realized
- ◆ 主从动态跟踪控制，快速负载动态功率（转矩）平衡
Master-follower dynamic tracing control, fast dynamic mutual co-ordination and load share
- ◆ 完善的保护功能：
如：电机堵转、电机缺相、输入缺相、过载、短路、过压、欠压、漏电闭锁、漏电、通讯错误、短链等保护功能
Perfect protection function:
Such as motor stall, motor phase loss, supply phase loss, overcurrent, short circuit, overvoltage, undervoltage, earth leakage lockout, earth leakage, communication fault, chain breakage
- ◆ 可实现工艺联锁控制
Easy to realize process interlock control
- ◆ 参数液晶显示和设定
Parameter LCD display and setting
- ◆ 具有本质安全型先导控制功能
With intrinsically safe piloting function

主要应用(Main Application):

- ◆ 重型刮板输送机的重载软启软停与调速，自动节能运行
Soft start/stop and speed control of heavy-duty scraper conveyor, automatic energy saving running mode
- ◆ 重型胶带输送机的重载软启软停与调速，自动节能运行
Soft start/stop and speed control of heavy-duty belt conveyor, automatic energy saving running mode
- ◆ 转载机、破碎机的重载软启软停与调速
Soft start/stop and speed control of heavy-duty crusher&loder