

Item		Parameter
Standard		IEC 61800-3-2012
Input	Input Voltage	3.0/6.0/10.0kV (-10%~+10%)
	Input rated frequency	50Hz(-2%~+2%)
	Input power factor	It can reach more than 0.95 when the load exceeds 20%
	Control power supply	Three phase four wire system 380V, 50Hz, 5 ~ 20KVA (in principle, the larger the capacity of the VFD, the larger the capacity of the required control power supply)
Output	Output voltage	0~3.0/6.0/10.0kV
	Output frequency drift	±0.5%
	Output frequency resolution	0.01Hz
Control parameter	Speed range	0.5~120Hz (related to the motor)
	Overload capacity	120%, 60s; 150% immediate protection (can be designed according to user requirements)
	Control mode	V / F control or vector control
	Control accuracy	± 0.5% of the maximum frequency
	Load torque characteristics	Square torque load, constant torque load
	Acceleration and deceleration time	10~3200s (related to the load characteristic)
	Signal input and output	4 channels analog input, 4 channels analog output, 16 channels digital input and 8 channels digital output.(can be expanded according to requirements)
	Main control functions	Soft start, instantaneous power failure non-stop control, curve acceleration and deceleration control,

		jump frequency, speed tracking start, power unit bypass, line voltage self equalization, etc.
	Main protection functions	Over voltage, under voltage, over current, short circuit, overheating, power unit failure, abnormal cooling fan, power failure switching of control power supply, etc.
		Standard: Modbus; Optional: Profibus-DP
Display		LED touch screen
Input transformer	Insulation class	H
Structure	Protection grade	IP30
Structure	Cooling mode	Forced air cooling
	Maintenance	Front and rear maintenance
Environmental conditions	Operating ambient temperature	0~+40℃
	Storage and transport temperature	-20℃~+70℃
	Humidity	<95%, no condensation
	Vibration	Below 0.9g
	Using occasion	Indoor without corrosive, explosive gas and dust, altitude less than 1000m (please consult our company for special environment)
Load		Fan, pump, compressor, molding machine, banbury, mixer, etc.