



YX3000-6T high performance 660/690V medium voltage frequency inverter

YX3000-6T series frequency inverter is a senseless vector control inverter. The product adopts the speed sensorless vector control technology which is completely synchronized with the current international leading technology. It not only has the same excellent control performance as the international high-end frequency converter, but also further enhances the reliability and environmental adaptation of the product in combination with various applications. Sexual and customizable and industrialized designs are designed to better meet the needs of a wide range of drive applications.

Product features

- ◆ Higher power energy savings, less harmonics and no power current ;
- ◆ Wide operating voltage, low voltage sloshing with continuously work, and strong ability for adapting the environment ;
- ◆ Optimized structural design, small size, low temperature rise, reliable performance ;
- ◆ Built-in RS485 communication, support standard MODBUS 485-RTU communication function ;
- ◆ Standard double-line LED keypad, real-time monitoring of various operating parameters.

Product features

Voltage level	Model	three phase 690V constant torque/heavy load application		
		Adapter motor	Rated output current(A)	Rated input current(A)
690V	YX3000-6T0550G	55	65	65
	YX3000-6T0750G	75	86	85
	YX3000-6T0900G	90	98	96
	YX3000-6T1100G	110	120	116
	YX3000-6T1320G	132	150	145
	YX3000-6T1600G	160	176	168
	YX3000-6T1850G	185	204	196
	YX3000-6T2000G	200	220	210
	YX3000-6T2200G	220	245	230
	YX3000-6T2500G	250	275	255
	YX3000-6T2800G	280	325	290
	YX3000-6T3150G	315	350	335
	YX3000-6T3550G	355	395	378
	YX3000-6T4000G	400	435	415
	YX3000-6T4500G	450	490	466
	YX3000-6T5000G	500	545	520
	YX3000-6T5600G	560	600	580
	YX3000-6T6300G	630	680	655
YX3000-6T7000G	700	810	747	
YX3000-6T8000G	800	920	853	

Specifications

Item	Specifications
Control mode	Open loop vector control
Power capacity range	15KW~630KW
Input voltage, frequency	3AC 690V~790V ; 50Hz/60Hz
Output voltage	3AC 0~rated output voltage
Output frequency	0.00~300.00Hz ; Vector control 1 operating mode 0.0~3000.0Hz can be customized according to customer needs
Digital input/output	Standard multi-function input terminals • extension slot Standard open collector output, extension slot
Pulse input/output	Pulse input: 0.1Hz~50kHz; Voltage range: 24V±20% Pulse output: 0~50kHz; Voltage range: 24V±20%
Communication protocol	Double 485communication interface, support Modbus protocol (RTU)
Braking unit	15kW~55kW built-in braking unit(optional); 75kW above need external adding
External interface	DC24Vpower supply, Maximum output current 100 mA
Reactor	When the power capacity is over 110kW, it is recommended to configure the input reactor; when the cable length between the frequency inverter and the motor exceeds 50 meters, it is recommended to increase the output reactor.
Installation mode	Vertically installed in a well-ventilated electric control cabinet
IP grade	IP20