MODEL	SI23-T3-090G-A
PV Input	
Input voltage	350~780VDC
Recommended Voc Voltage	620~750VDC
AC Input	
Input voltage	3ph 380~480VAC
Input voltage frequency	50/60Hz
Output	
Output voltage	230~460V
Output frequency range	0~600Hz
Rated current	180A
Main control performance	
Motor type	Three-phase asynchronous motor; Permanent magnet synchronous motor (sine wave), and synchronous reluctance motor
Motor control mode	V/F control, open-loop vector control, closed-loop vector control, and VF separation control.
Carrier frequency	1.0kHz~16.0kHz
Speed control range	Vector control without PG: rated load 1:100; Vector control with PG: rated load 1:1000.
Steady speed accuracy	Vector control without PG: ⩽2% rated synchronized speed; Vector control with PG: ⩽0.05% rated synchronized speed.
Starting torque	Vector control without PG: 150% rated torque at 0.5Hz; Vector control with PG: 200% rated torque at 0Hz
Torque response	Vector control without PG:<20ms; Vector control with PG: <10ms
Frequency accuracy	Digital setting: max frequency×±0.01%; Analog setting: max frequency×±0.2%
Frequency resolution	Digital setting: 0.01Hz; Analog setting: max frequency×0.05%
Overloading capability	150% rated current for 89 s, 180% rated current for 10 s, and 200% rated current for 3 s
Environment	
Installation	Wall hanging
Application	Indoor control system
Vibration	The vibration is less than 0.5g when the vibration frequency is less than 20Hz
Ingress Protection	IP20
Over voltage category	OVC II
Pollution degree	PD 2
Protection class	Class I
Temperature	Operation temperature :-10°C ~ +50°C, derating can be used above 40 °C; Storage temperature: -30℃ ~ +60℃.
Cooling method	Forced air cooling
Humidity	20%~95%RH(no condensation)
Install place	The altitude is less than 1000 meters, and the derating is more than 1000 meters. The derating is 1% for every 100 meters. No condensation, icing, rain, snow, hail, etc., solar radiation is less than 700W/m², air pressure 70 kPa ~ 106kPa.