

TRS-I Series Inverter

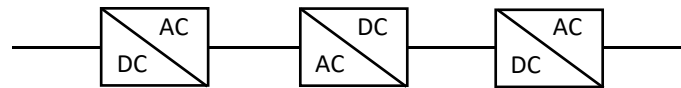
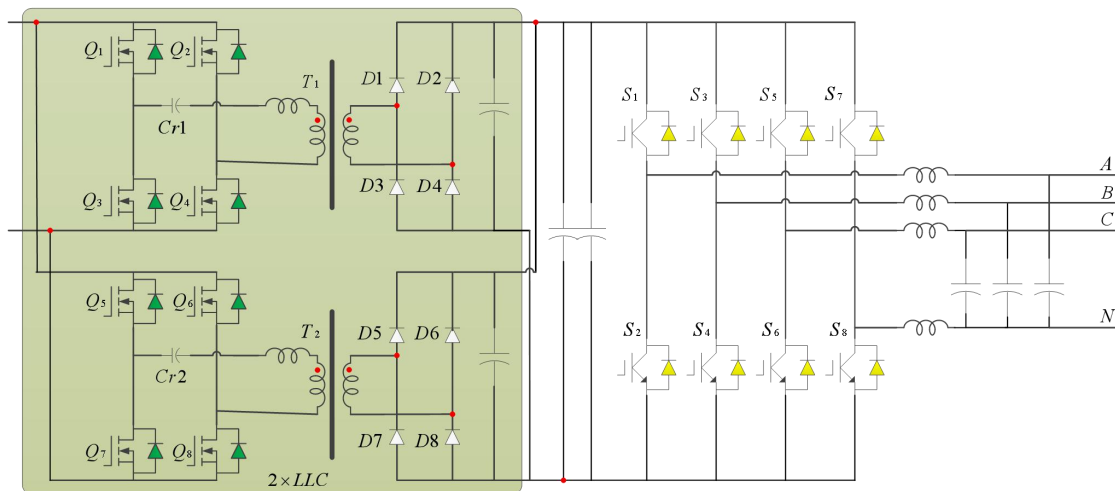
1 FEATURES

- State-of-the-art SPWM and IGBT Technology
- Soft Switching Technology, enabling energy saving and low heat emission
- High Frequency Switch integrated
- No Switch-off duration, Stand by in the case of no load employed
- Pure Sine Wave Output
- Low Harmonic Distortion
- Self-diagnosis System, enabling fault code with corresponding information displayed
- Eco-friendly, High Efficiency and Less Noise
- More competitive but appropriate dimension

2, APPEARANCE



3, ELECTRICAL SCHEMATIC DRAWING



4, ELECTRICAL SPECIFICATIONS

NO.	SPECIFICATION		COMMENT
1	DC INPUT	Rated Voltage Input	384VDC
2		Voltage Input Range	300~450(Over-voltage Limit)VDC (Full Load) 250(Under-voltage Limit)~300VDC (50% Derating)
3		Current Input Range	0~100A
4	AC OUTPUT	Rated Power Output	35kW
5		Peak Power Output	40kW
6		Waveform Output	Pure Sine Wave
7		Rated Voltage Output	Three-phase 415VAC
8		Voltage Output Accuracy	415VAC±10%
9		Rated Current Output	53A
10		Peak Current Output	60A
11		Frequency Output	400Hz (320~480 Adjustable)
12		THD	<3% (Linear Load) <5% (Non-linear Load)
13		Dynamic Response	5% (0~Full Load)
14		Crest Factor	3:1
15		Power Factor	≥0.8
16		Overload Capacity	150%, 10min; 200%, 60s
17		Efficiency	≥90%
19		Protection	INPUT: Over Voltage, Under Voltage OUTPUT: Over Voltage, Over Current, Short Circuit, Over Heat, Smart Derating
20		Communication	CAN and RS485, Interactive Response, 500Kbps

can be customized as per your specific requirement

5, OPERATION CORRESPONDENCE

PARAMETER		CORRESPONDENCE	COMMENT
Operation Environment	Temperature	-20~+65°C	Smart Derating above 55°C. Rated Current Output decreases 3% as per 1 degree Celsius increment
	Humidity	5%~95%, No Condensing	
Storage Environment	Temperature	-40~+85°C	should be stored in the warehouse without exposure to sunburn, rainy environments or corrosive gases
	Humidity	5%~95%, No Condensing	
Control Circuit		Rated Voltage: 12VDC Peak Current: 10A Voltage Range: 9~18VDC	
IP Class		IP54	
Noise Level		<65dB(A)	within 1m
Altitude		≤ 2000m	Smart Derating above 1000m. Rated Current Output decreases 1% as per 100m lifting

6, DIMENSIONS

M12 Screws are applied for installation.

