Output Power Line Filter For Inverter

1. Product Description

This filter ensures stable operation of surrounding electronic devices and addresses interference issues caused by inverters. It effectively suppresses dv/dt, mitigating the impact of peak voltages from inverters on the motor, reducing noise, and preventing rapid motor aging, ultimately extending motor life. Additionally, it prevents harmonic distortion generated by inverters from interfering with motor performance, promoting overall operational stability. This solution helps maintain the efficiency and longevity of both the inverter and motor, ensuring reliable, long-term performance in industrial applications.

2. Typical Applications

- Suitable for inverters from most brands
- VVVF Servo motors
- dv/dt suppression
- Industrial electronic equipment operating with frequency conversion principles

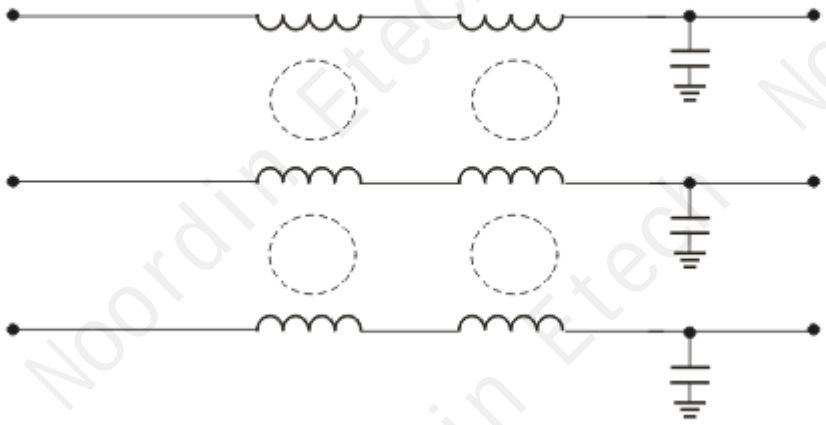
3. Product Features

- Designed to effectively limit the rate of voltage change (dv/dt), ensuring system stability and protection against voltage spikes.
- Reduces electromagnetic interference (EMI) levels generated by inverters, improving system reliability and performance.
- CE approved, meeting international quality and safety standards for reliable operation.
- Three-stage filtering design with special materials ensures high impedance characteristics across a wide frequency range.
- Copper bar suitable for versions above 250A, complying with international standards for simple and safe connections.
- Customized products available according to customer specifications.

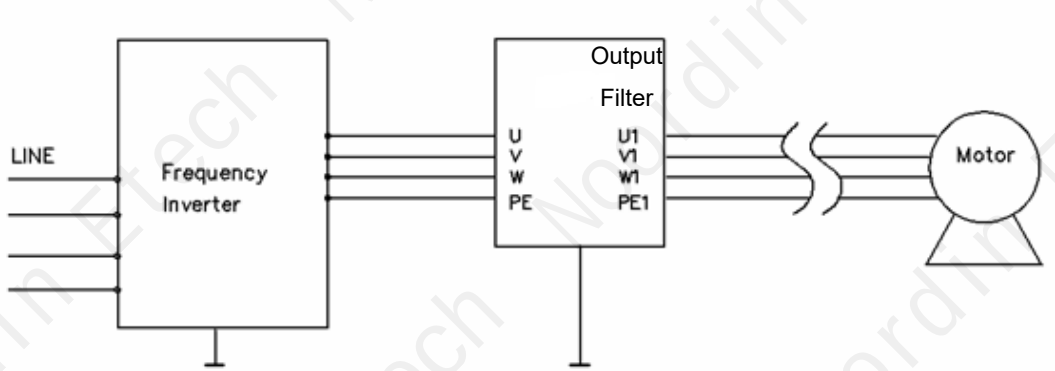
4. Technical Data

Type	Rated Current (A)	Rated Voltage	Rated Frequency	$I_{Leakage}$ (≤mA)	Test Voltage (2s)	Dim.	Output	Climate Category
ND3310-5SL	5	250/440 VAC	50/60Hz	6 250VAC/50Hz	Line/ Line 1500VDC Line/ Ground 2250VDC	Fig 1		25/85/21
ND3310-10SL	10					Fig 2		
ND3310-20SL	20					Fig 3		
ND3310-36SL	36							
ND3310-50SL	50							
ND3310-100SL	100					Fig 4		
ND3310-150SL	150							
ND3310-200SL	200							
ND3310-300CL	300					Fig 5		
ND3310-400CL	400							
ND3310-600CL	600							
ND3310-1000CL	1000							
ND3310-1600CL	1600							

5. Circuit Diagrams



6. Connection Diagram



7. Outline Drawing (mm)

	A	B	C	D	E	F	G	H	I	J	S	T	U	V	W	X	Y	Z
100A	300	210	120	160	120	185	φ12	2	33	M8	/	/	50	/	/	/	/	/
150A	300	210	120	160	120	185	φ12	2	33	M10	/	/	50	/	/	/	/	/
200A	300	210	120	160	120	185	φ12	2	33	M10	/	/	50	/	/	/	/	/
300A	300	260	115	210	120	235	φ12	2	43	M12	/	/	60	25	4	15	40	Φ11
400A	300	260	115	210	120	235	φ12	2	43	M12	/	/	60	25	6	15	40	Φ11
600A	300	260	135	210	120	235	φ12	2	43	M12	/	/	60	25	8	15	40	Φ11
1000A	350	280	170	230	145	255	φ12	3	53	M12	/	/	60	40	8	20	50	Φ14
1600A	400	300	160	250	170	275	φ12	3	93	M12	26	26	60	60	10	17	93	Φ14

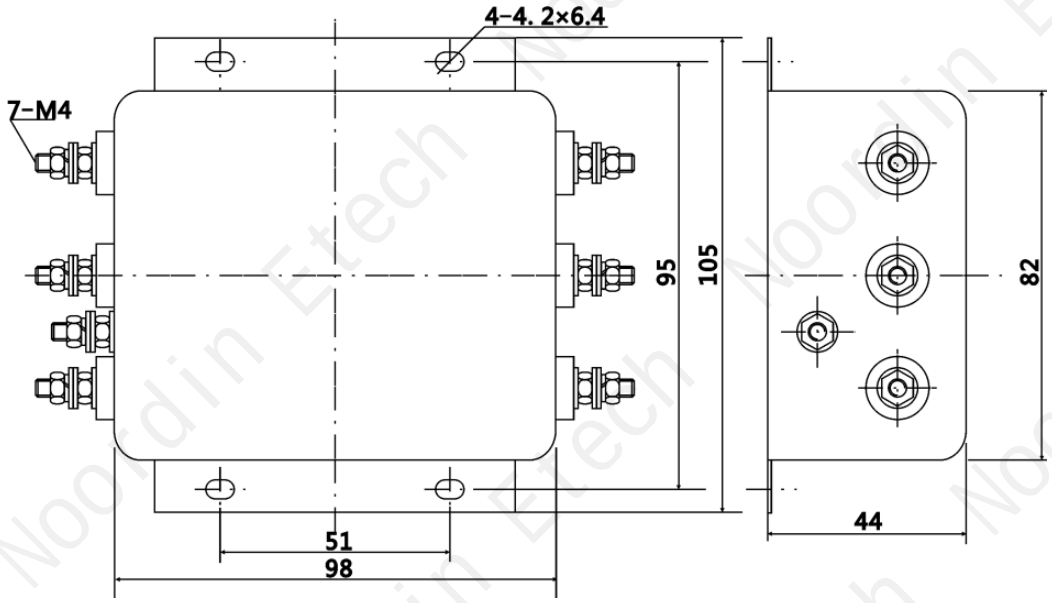


Fig 1

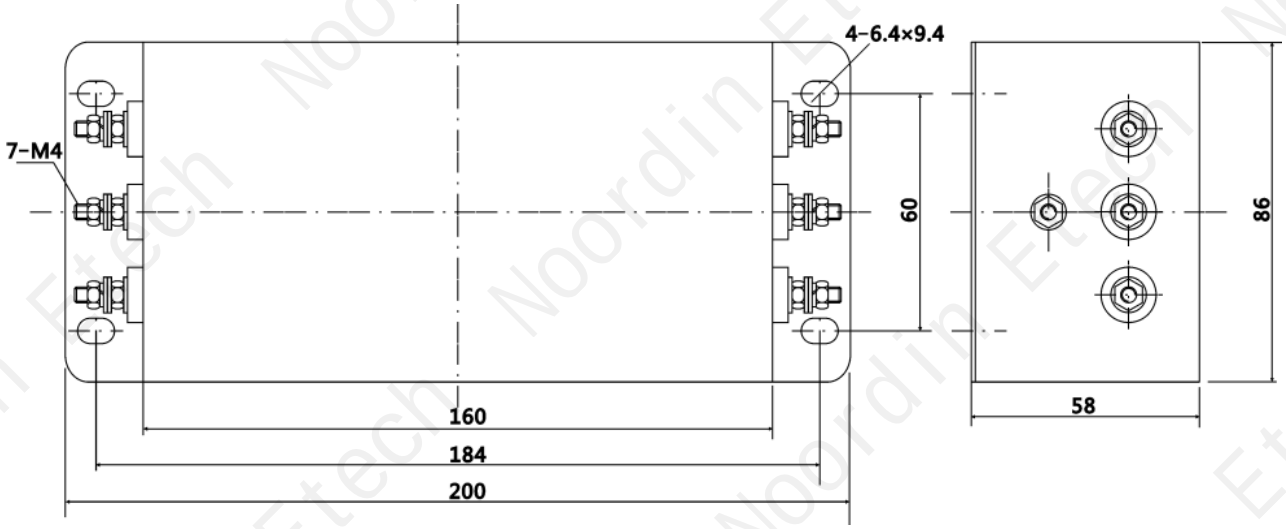


Fig 2

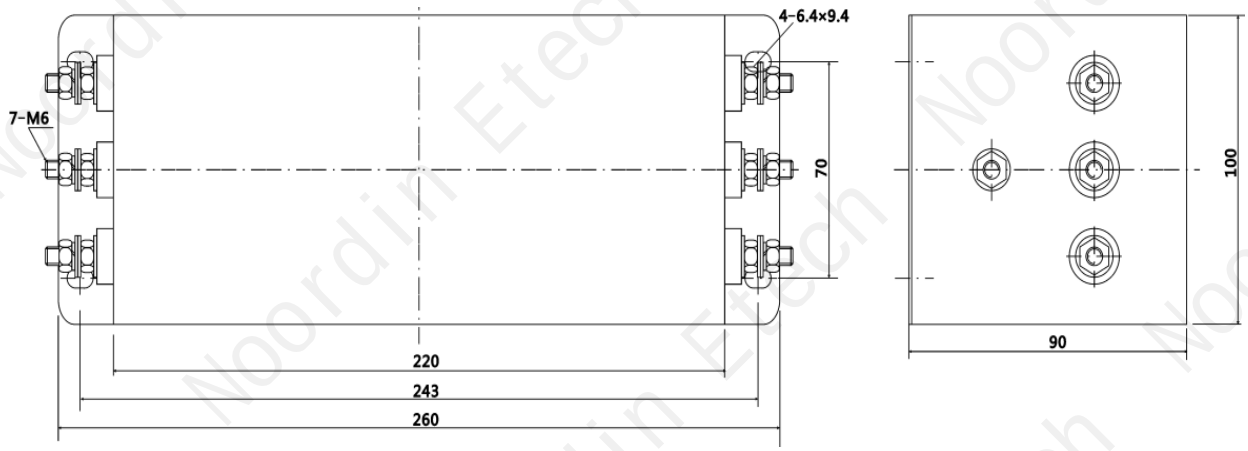


Fig 3

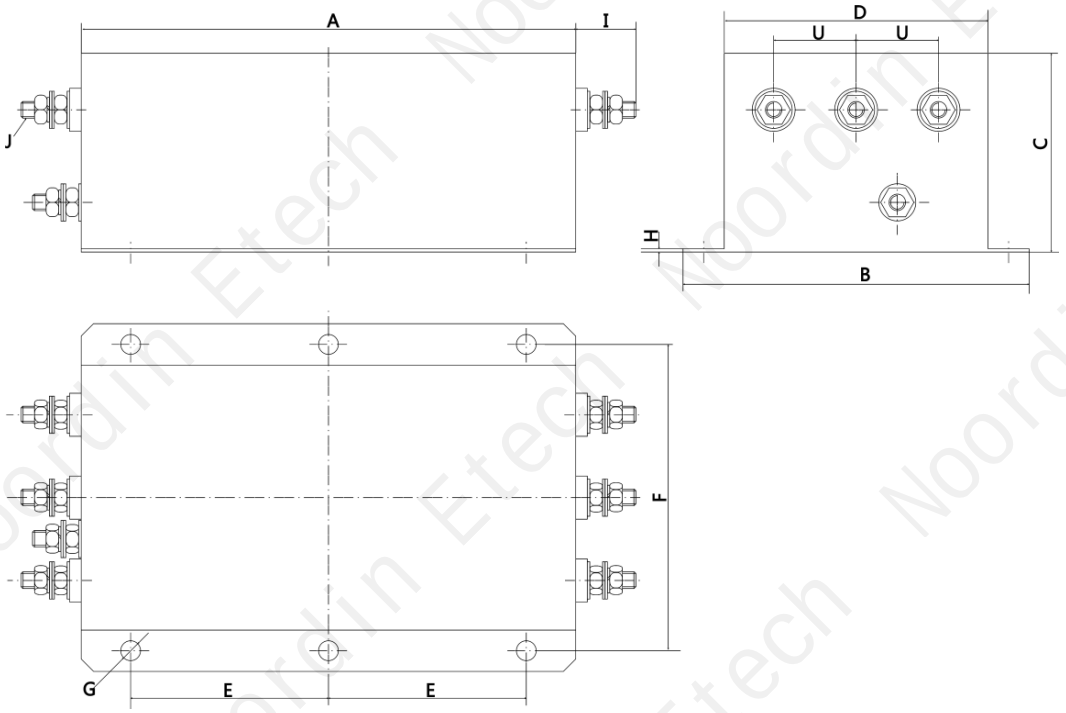


Fig 4

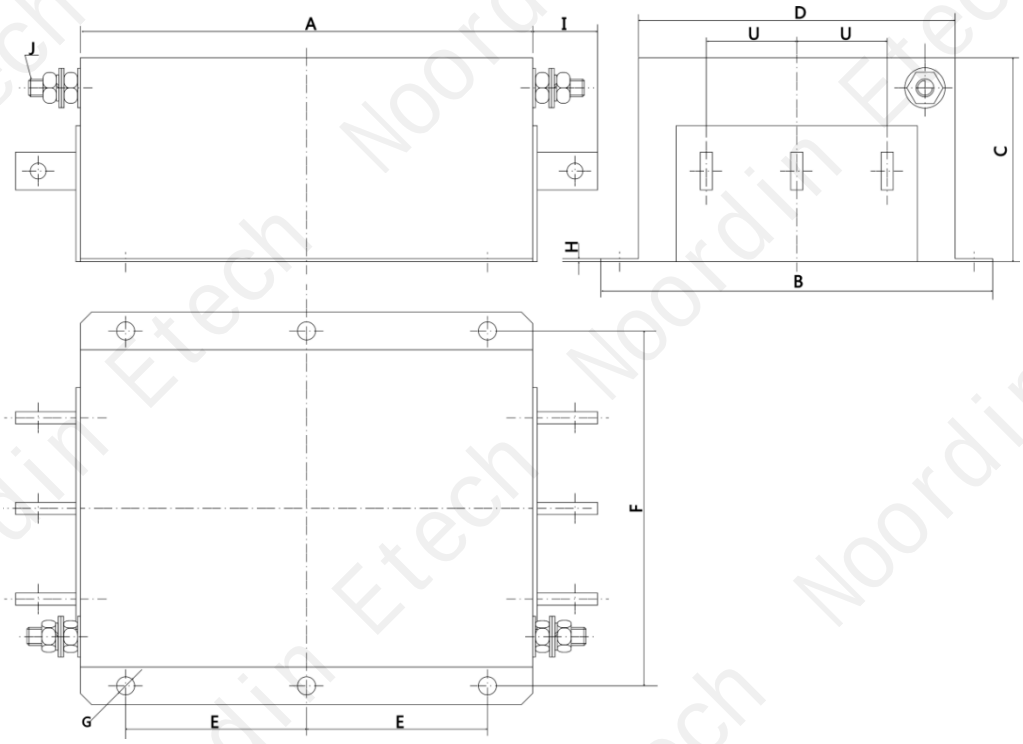


Fig 5

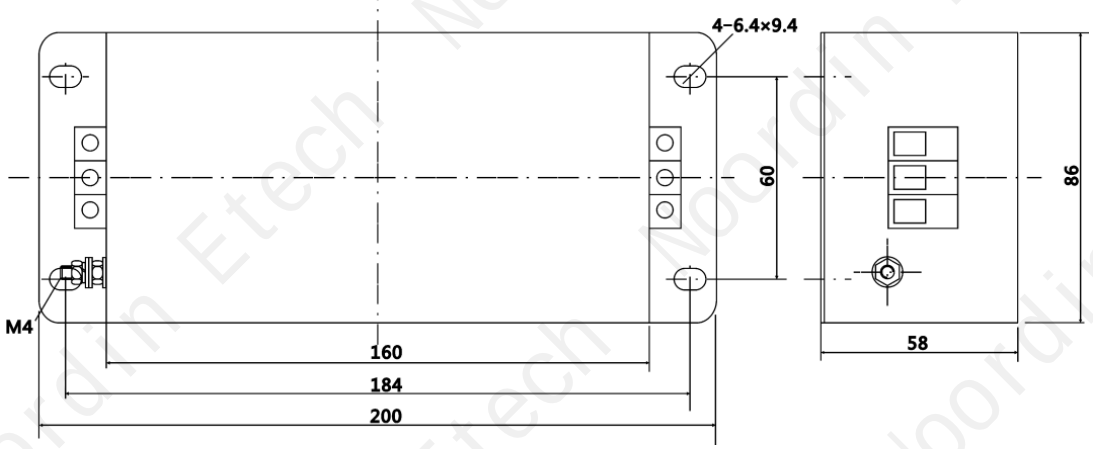
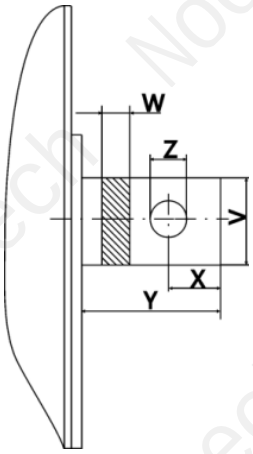
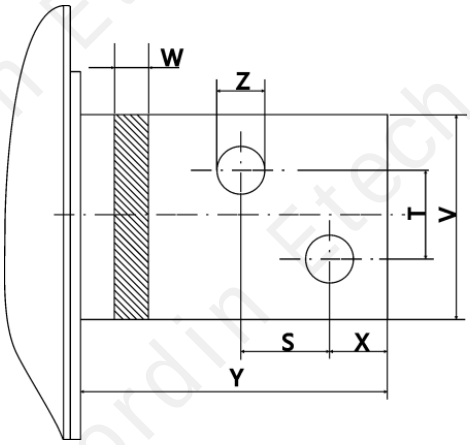


Fig 6

300 to 1000A Type



1600A Type



Contact Us

No. 11 Shunyuan Road, Xinbei District, Changzhou, Jiangsu Province, China

+86 0519 86815058

sales@noordin.cn, cyt@noordin.cn, bjw@noordin.cn