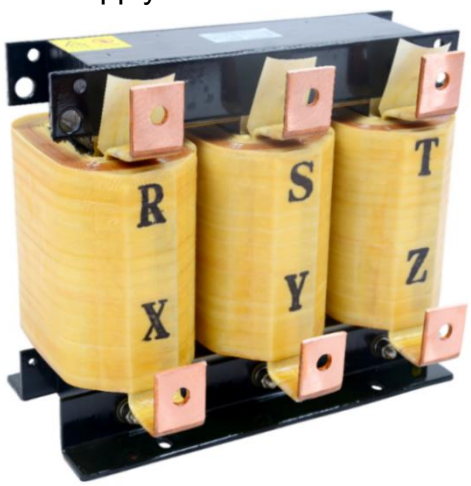
Alternating Current Input Reactor

Product Profile

Connected in series at the input side of power-supply and inverter and applied to restrain the higher harmonics of input current, Limit the impact to inverter caused by grid voltage change and surge voltage; Effectively protect the rectifying unit of inverter; Improve the unbalance of three-phase power-supply; Promote the power factor of input power-supply.



Features

1. Advanced technics and beautiful appearance.
2. Dampproof and waterproof.
3. Maintenance free and easy installation.
4. Low losses, strong overload capacity.
5. Tight coil coupling, Low magnetic flux leakage.
6. High structural strength, perfect anti-short-circuitability, low level of sound.
7. Low loss, high efficiency, and low temperature rise.
8. Reliable operation, high linearity, and with VPI process, the noise is low.
9. Core with grain-oriented cold-rolled silicon steel sheets.
10. Excellent performance with foil winding structure, small DC resistance, and the strong resistance to electromagnetic force.

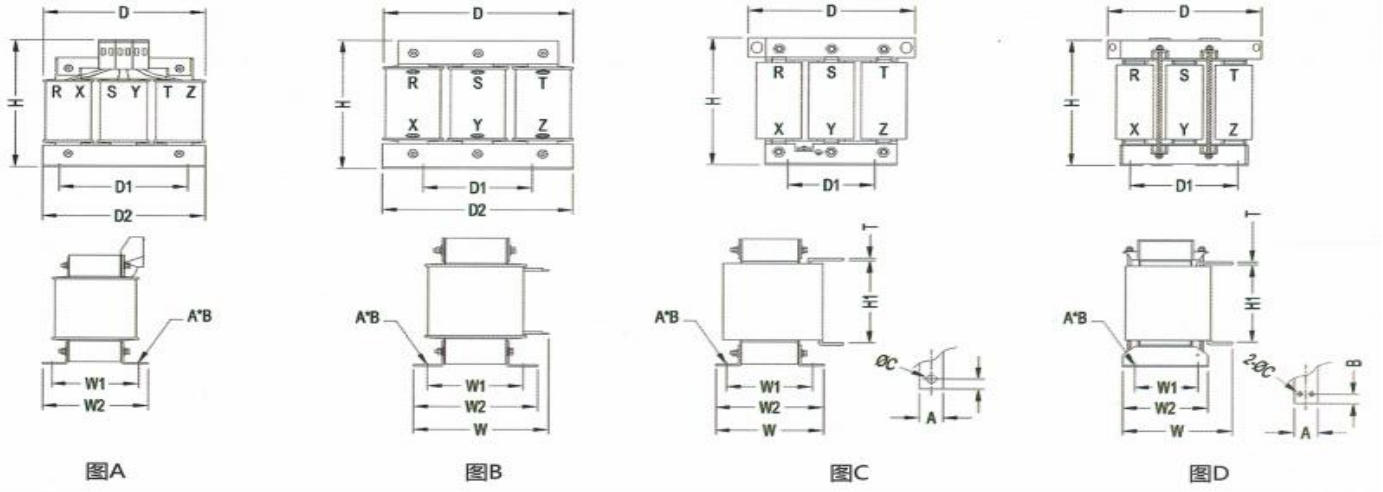
Product Applications

Frequency conversion, photovoltaic (solar power system), wind power generation, renewable energy, medical equipment, etc.

Technical Parameter

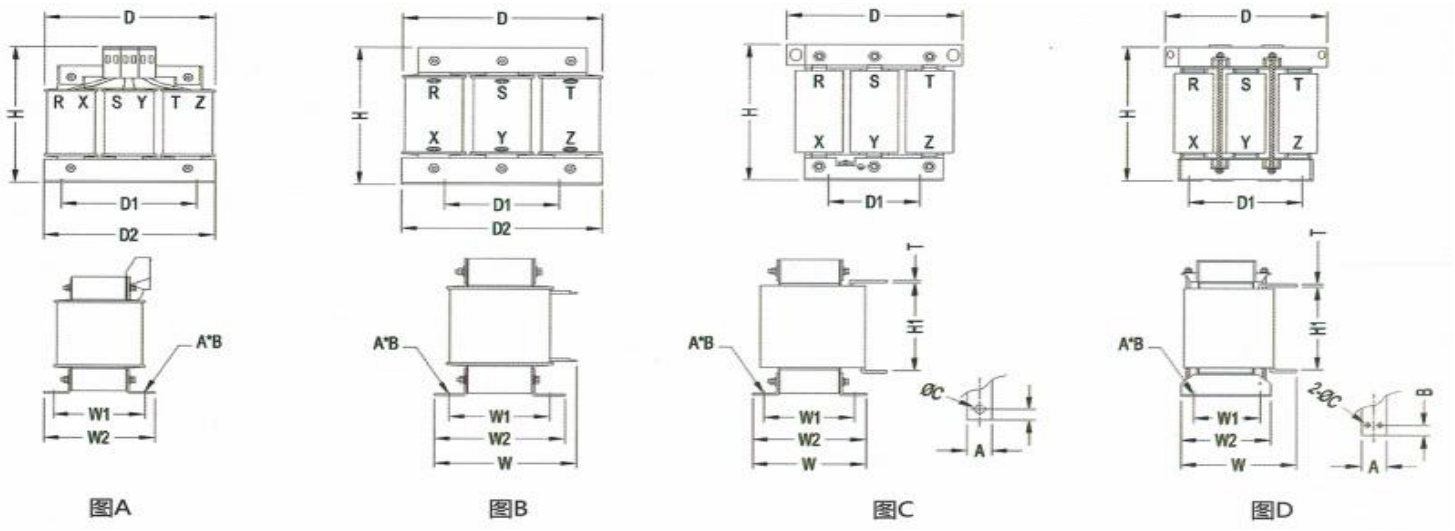
Capacity	500 ~ 2000kVar	Working Efficiency	>96%
Rated Voltage	≤10kV	Temperature Rise	<100K(F)/<125K(H)
Rated Current	5 ~ 2000A	Sound Level	<75dB
Winding Materials	Copper/ Aluminum	Ingress Protection	Upon customer request
Insulation Class	F/H	Insulation Resistance	>100 MΩ（DC1000V）
Leading Time	7 ~ 30 working days	Package	Wood Crate/ Cardboard Box
Dielectric Withstanding Voltage: Depends on system voltage			

Overall and Installation Dimensions



2% Alternating Current Input Reactor

Product Type	NO.	Power (KW)	Rated Current	Inductance Value (mH)	Voltage Drop	Insulation Class	Overall Dimensions(±5mm)								Copper Bar Dimensions				
							D	D1	D2	W	W1	W2	H	H1	A*B	A	A1	B	T	C
LSDZ01-5A/2.8mH	A	1.5	5A	2.8	2%	F	110	90	105	/	65	80	130	/	6*12	/	/	/	/	/
LSDZ01-7A/2mH		2.2	7A	2	2%	F	110	90	105	/	65	80	130	/	6*12	/	/	/	/	/
LSDZ01-10A/1.4mH		3.7	10A	1.4	2%	F	110	90	105	/	65	80	130	/	6*12	/	/	/	/	/
LSDZ01-15A/0.93mH		5.5	15A	0.93	2%	F	155	95	150	/	60	75	150	/	6*16	/	/	/	/	/
LSDZ01-20A/0.7mH		7.5	20A	0.7	2%	F	155	95	150	/	60	75	150	/	6*16	/	/	/	/	/
LSDZ01-30A/0.47mH	B	11	30A	0.47	2%	F	155	95	150	150	78	94	130	/	6*16	/	/	/	/	/
LSDZ01-40A/0.35mH		15	40A	0.35	2%	F	155	95	150	150	78	94	130	/	6*16	/	/	/	/	/
LSDZ01-50A/0.28mH		19	50A	0.28	2%	F	195	120	188	150	74	92	160	/	8.5*18	/	/	/	/	/
LSDZ01-60A/0.24mH		22	60A	0.24	2%	F	195	120	188	150	74	92	160	/	8.5*18	/	/	/	/	/
LSDZ01-80A/0.17mH		30	80A	0.17	2%	F	195	120	188	150	74	92	160	/	8.5*18	/	/	/	/	/
LSDZ01-90A/0.16mH		37	90A	0.16	2%	F	195	120	188	150	74	92	160	/	8.5*18	/	/	/	/	/
LSDZ01-120A/0.12mH	C	45	120A	0.12	2%	F	255	180	81	145	76	104	230	140	11*18	20		10	4	φ9
LSDZ01-150A/0.095mH		55	150A	0.095	2%	F	255	180	81	155	76	104	230	140	11*18	25		13	5	φ11
LSDZ01-200A/0.07mH		75	200A	0.07	2%	F	255	180	81	175	96	124	230	140	11*18	25		13	5	φ11
LSDZ01-250A/0.056mH		110	250A	0.056	2%	F	255	180	81	175	96	124	260	155	11*18	25		13	5	φ11
LSDZ01-290A/0.048mH		132	290A	0.048	2%	F	287	210	95	180	100	126	275	170	11*18	30		15	5	φ12
LSDZ01-330A/0.042mH		160	330A	0.042	2%	F	287	210	95	180	100	126	275	170	11*18	30		15	5	φ12
LSDZ01-390A/0.036mH		185	390A	0.036	2%	F	330	242	106	185	110	140	275	155	12*20	30		15	5	φ12
LSDZ01-490A/0.028mH		220	490A	0.028	2%	F	330	242	106	215	120	150	305	190	12*20	50	22	23	8	φ12
LSDZ01-660A/0.021mH		300	660A	0.021	2%	F	330	242	106	245	135	165	305	190	12*20	50	22	23	8	φ12
LSDZ01-800A/0.017mH	D	380	800A	0.017	2%	F	395	265	123	260	170	210	390	230	12*20	50	22	23	8	φ12
LSDZ01-1000A/0.014mH		450	1000A	0.014	2%	F	395	265	123	260	170	210	390	230	12*20	50	22	23	8	φ12
LSDZ01-1250A/0.011mH		550	1250A	0.011	2%	F	405	280	130	360	170	210	420	280	12*20	50	26	26	12	φ13
LSDZ01-1600A/0.0087mH		630	1600A	0.0087	2%	F	405	280	130	360	170	210	420	280	12*20	50	26	26	12	φ13



4% Alternating Current Input Reactor

Product Type	No.	Power (KW)	Rated Current	Inductance value (mH)	Voltage drop	Insulation class	Overall Dimensions(±5mm)									Copper Busbar Dimensions				
							D	D1	D2	W	W1	W2	H	H1	A×B	A	A1	B	T	C
LSDZ01-5A/5.6mH	A	1.5	5A	5.6	4%	F	155	95	150	/	60	75	150	/	6*16	/	/	/	/	/
LSDZ01-7A/4mH		2.2	7A	4	4%	F	155	95	150	/	60	75	150	/	6*16	/	/	/	/	/
LSDZ01-10A/2.8mH		3.7	10A	2.8	4%	F	155	95	150	/	78	94	150	/	6*16	/	/	/	/	/
LSDZ01-15A/1.8mH		5.5	15A	1.8	4%	F	155	95	150	150	78	94	150	/	6*16	/	/	/	/	/
LSDZ01-20A/1.4mH		7.5	20A	1.4	4%	F	155	95	150	150	78	94	150	/	6*16	/	/	/	/	/
LSDZ01-30A/0.93mH	B	11	30A	0.93	4%	F	195	120	188	130	84	92	160	/	8.5*18	/	/	/	/	/
LSDZ01-40A/0.7mH		15	40A	0.7	4%	F	195	120	188	160	94	112	160	/	8.5*18	/	/	/	/	/
LSDZ01-50A/0.56mH		18.5	50A	0.56	4%	F	195	120	188	160	94	112	160	/	8.5*18	/	/	/	/	/
LSDZ01-60A/0.46mH		22	60A	0.46	4%	F	195	120	188	170	104	122	160	/	8.5*18	/	/	/	/	/
LSDZ01-80A/0.35mH		30	80A	0.35	4%	F	195	120	188	170	109	127	180	/	8.5*18	/	/	/	/	/
LSDZ01-90A/0.31mH		37	90A	0.31	4%	F	195	120	188	170	109	127	180	/	8.5*18	/	/	/	/	/
LSDZ01-120A/0.23mH	C	45	120A	0.23	4%	F	255	180	81	190	106	134	230	140	11*18	25		13	5	φ11
LSDZ01-150A/0.19mH		55	150A	0.19	4%	F	287	210	95	190	110	136	240	140	11*18	25		13	5	φ11
LSDZ01-200A/0.14mH		75	200A	0.14	4%	F	287	210	95	190	120	146	240	140	11*18	25		13	5	φ11
LSDZ01-250A/0.11mH		110	250A	0.11	4%	F	322	242	106	230	115	145	320	205	12*20	30		15	5	φ12
LSDZ01-290A/0.096mH		132	290A	0.096	4%	F	322	242	106	240	120	150	305	195	12*20	30		15	5	φ12
LSDZ01-330A/0.085mH		160	330A	0.085	4%	F	322	242	106	250	125	155	305	195	12*20	30		15	5	φ12
LSDZ01-390A/0.072mH		185	390A	0.072	4%	F	322	242	106	260	130	160	305	190	12*20	30		15	5	φ12
LSDZ01-490A/0.057mH		220	490A	0.057	4%	F	385	265	123	260	175	215	390	190	12*20	50	22	23	8	φ12
LSDZ01-660A/0.042mH		300	660A	0.042	4%	F	395	265	123	295	170	210	390	230	12*20	50	22	23	8	φ12
LSDZ01-800A/0.035mH	D	380	800A	0.035	4%	F	430	295	140	310	180	220	450	280	12*20	50	22	23	8	φ12
LSDZ01-1000A/0.028mH		450	1000A	0.028	4%	F	430	295	140	310	180	220	450	280	12*20	50	22	23	8	φ12