



NSB40~80KA Series

General Specifications

- High-quality, Power on of the medium and small capacity
- Sine Wave tracking Filter - Option
- Parallel connection type
- Redundant protection technology
- Operation status
 - Red : Power good, Green: SPD good (1Ø)
 - Green : SPD good (3Ø)
- Protection Mode
 - L-N, N-G(PE), L-G(PE): 1Ø
 - L-N, N-G(PE): 3Ø
 - +~, -~G, +-G(DC)
- CT1 type (RCD load): Standard
 CT2 type (RCD in put):0rder
 (Select the order is possible)
- Protection Devices
 - Thermally protection MOV(TMOV)
 - TMOV + MOV(Metal Oxide Varistor) : CT1
 - TMOV + GDT(Gas Discharge Tubes) : CT2
- Maximum continuous operating voltage(MCOV)
 - Rated Voltage : 120~125%
- Surge life/ Phase
 - 10,000 impulse 3KA
- Response time : 1~25 nano-second
- Frequency : 50/60Hz
- Operating temperature : -40 ~ 85°C
- Operating humidity : 95% Rh
- Connection : Terminal block
- Mounting type : Screw mounting
- Protection class : IP20
- Enclosure : NEMA 12 Meet steel



Application

- LCD & SMD, power side of the semiconductor equipment
- low-voltage power distribution / supply side panel distributor
- UPS output, military equipment, aviation, ports
- radar, missiles, broadcasters, telecom base stations
- industrial, precision machinery and industrial equipment
- VMS, automation equipment, solar systems
- Traffic Control Center, dams and water purification plants
- equipment using other power

Standards

- ANSI/IEEE C62.41 Cat.C3(AC Power)
 - 1.2/50uS 20KV,8/20uS 10KA
 - 1.2/50uS 6KV,8/20uS 3KA
- ANSI/IEEE C62.41 Meet UL1449 3rd
- KS C IEC 61643-1, 11 (Type 2,3, Class II,III)

Electric Specification (1.2/50uS, 8/20uS)

Model		Nominal voltage	MCOV	Discharge current(KA)				Protection level Up (KVpk)	
Type of Power		Uo(V)	Uc (Vrms/ Vdc)	I _{max}	I _n	Mode	Phase	6KV/3KA	20KV/10KA
NSB40T	-120S	1P 2W 120	150	40	20	40	80	0.4 0.5(TMOV)	1.2
	-120Y	3P 4W 120/208							
	-220S	1P 2W 220	275						
	-220D	3P 3W 220							
	-220Y	3P 4W 220/380							
-380D	3P 3W 380	475							
-480D	3P 3W 480	600							
NSB80T	-277Y	3P 4W 277/480	320	80	40	80	160	1.0	2.0
	-150P	DC 2W 125	150						
	-250P	DC 2W 220	260						
	-500P	DC 2W 460	560						
Certification(inquiry)		"CE", "S" Mark(KS C IEC 61643-11 : 2012)							
Demension		* Single & Three Phase : 100 X 150 X 60mm * Screw mount type							

* I_n(Nominal discharge current, 8/20uS)
 * I_{max}(Maximum discharge current, 8/20uS)