

Standard Assemblies

International
Rectifier

International Rectifier offers a range of single-phase and three-phase rectifier assemblies from 50 to 1500 amperes and from 400 to 1200 volts. These assemblies offer a convenient cost effective solution to bridge rectifier requirements. Also available are single-phase

and three-phase half controlled bridges, AC phase control switches and AC contactors, zero crossing switch assemblies. Firing control circuits available as option by adding FC to the end of the part number.

SINGLE-PHASE FULL WAVE RECTIFIER ASSEMBLIES(1)

Part Number	(2) I _O (Amps) Absolute Maximum		(3) I _{FSM} (Amps) Peak Surge
	NC	FA	
CB50G2AA4-12	50	70	500
CB65A12AA4-12	+ 65	95	1680
CB70H2AA4-12	70	70	500
CB100A18AA4-12	+ 100	160	2115
CB100H2AA4-12	100	120	1200
CB110A18BA4-12	* + (75)	110	1680
CB120K2AA4-12	120	120	1200
CB160A18BA4-12	* + (100)	160	2115
CB200K2AA4-12	200	250	3000
CB250K4AA4-12	250	250	3000
CB300K4AA4-12	300	500	5000
CB600V4AA4-12	600	700	8000

THREE-PHASE FULL WAVE RECTIFIERS ASSEMBLIES(1)

CT50G2AA4-12	50	80	500
CT70A12AA4-12	+ 70	125	1680
CT80H2AA4-12	80	100	500
CT115A18AA4-12	+ 115	210	2115
CT150A18BA4-12	* + (85)	150	1680
CT150K3AA4-12	150	180	1200
CT210A18BA4-12	* + (115)	210	2115
CT300K3AA4-12	300	400	3000
CT400K6AA4-12	400	400	3000
CT500K6AA4-12	500	700	5000
CT700U6AA4-12	700	700	5000
CT1000V6AA4-12	1000	1200	8000
CT1500V6AA6-12	1500	2200	10000

SINGLE-PHASE HALF CONTROLLED DIODE SCR BRIDGE ASSEMBLIES(1)(4)

CBC30A12AA4-12	30	45	625
CBC60A18AA4-12	+ 60	100	1370
CBC100A18BA4-12	* + (60)	100	1370
CBC120K4AA4-12	120	120	1600
CBC125A18BA4-12	* + (70)	125	1870
CBC250V4AA4-12	250	250	4250

THREE-PHASE HALF CONTROLLED DIODE/SCR BRIDGE ASSEMBLIES(1)(4)

Part Number	(2) I _O (Amps) Absolute Maximum		(3) I _{FSM} (Amps) Peak Surge
	NC	FA	
CTC35A12AA4-12	+ 35	65	625
CTC55A12AA4-12	+ 55	100	1370
CTC80A18AA4-12	+ 80	150	1870
CTC125A18BA4-12	* + (75)	125	1370
CTC150A18BA4-12	* + (80)	150	1870
CTC150K6AA4-12	150	180	4200
CTC350V6AA4-12	350	400	4200

SINGLE-PHASE, 2-SCR CONTROLLED SWITCH ASSEMBLY(1)(4)

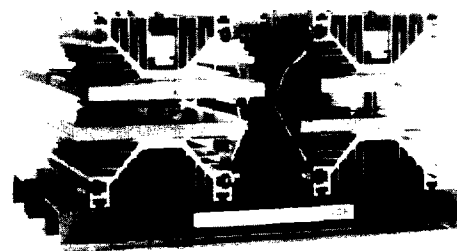
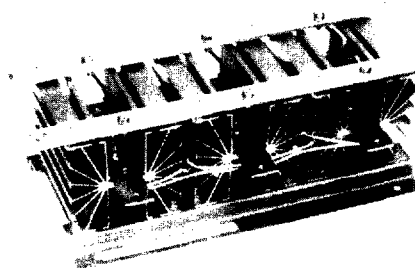
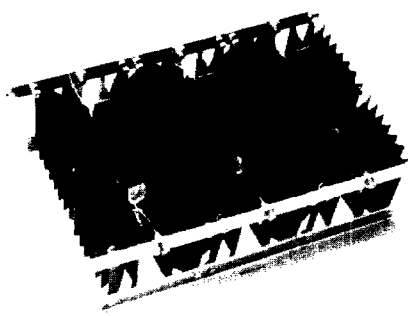
CPA45A12AA4-12	+ 45	75	625
CPA80A12AA4-12	+ 80	125	1370
CPA110A18AA4-12	+ 110	170	1870
CPA120K2AA4-12	120	120	1600
CPA125A18BA4-12	* + (80)	125	1370
CPA170A18BA4-12	* + (110)	170	1870
CPA250V2AA4-12	250	250	4250

THREE-PHASE 2-SCR CONTROLLED SWITCH ASSEMBLY(1)(4)

CPAT30A12AA4-12	+ 30	35	625
CPAT45A12AA4-12	+ 45	65	1370
CPAT100A18BA4-12	* + (55)	100	1370
CPAT120A18BA4-12	* + (70)	120	1870

AC SCR CONTACTOR, 2-SCR ZERO CROSSING SWITCH ASSEMBLY(1) (With Control Circuit)

CA120K2AA4-10	120	120	1600
CA250X1AA4-10	250	350	4250
CA300X1AA4-10	300	500	7000



NOTES: + = Isolated Heatsink, ADD-A-pak™ Assembly, * = 115 V_{AC}, 20 VA, 60 Hz, Fan included. (1) V_{RRM} (Volts) = 400-1200 for use on V_{ac}(RMS) = 120-600. (2) Maximum rated output current; NC = Natural convection cooled, 45°C ambient air. FA = Forced air cooled, 500 LFM (min.) 45°C ambient air. (3) Peak 1 cycle (16.7ms) output current surge rating, non repetitive. (4) SCR firing circuits available as option.