

**SUPPLY LIST OF RECTIFIER EQUIPMENT
FOR CHLOR-ALKALI CELLS & CHLORATE CELLS**



As of September 2003

No.	Destination	Current (kA DC)	Voltage (V DC)	Total Output		Delivery	Type of Rectifier
				Power (kW)			
* 1	Japan	81 X 1	(4x20.25) unit	330	26,730	Apr. '74	THY
* 2	Japan	81 X 1	(6x13.5) unit	400	32,400	June '76	THY
* 3	Canada	32.4 X 1	(3x10.8) unit	400	12,960	Mar. '78	THY
* 4	Canada	10.8 X 1	unit	400	4,320	Dec. '78	THY
* 5	Japan	30 X 1	unit	115	3,450	Nov. '82	THY
* 6	Japan	33 X 2	units	300	19,800	May '82	DI
* 7	Japan	52 X 1	unit	125	6,500	Nov. '84	THY
* 8	Japan	43.2 X 2	(4x10.8) units	365	31,536	Jan. '85	THY
* 9	Thailand	32 X 1	unit	90	2,880	Jan. '85	DI
* 10	Japan	43.2 X 1	unit	400	17,280	May '86	THY
* 11	People's Republic of China	21.6 X 1	(2x10.8) unit	360	7,776	Mar. '86	THY
* 12	Indonesia	11.34 X 1	unit	345	3,912	Mar. '86	DI
* 13	People's Republic of China	21.6 X 1	(2x10.8) unit	360	7,776	Sep. '86	THY
* 14	USA	21.6 X 2	(2x10.8) units	380	16,416	May '86	THY
* 15	Japan	52 X 1	unit	130	6,760	Jan. '87	THY

Notes:

THY ; Thyristor rectifier

DI ; Diode rectifier

* ; For IEM cells

; For chlorate cells

No.	Destination	Current (kA DC)	Voltage (V DC)	Total Output		Delivery	Type of Rectifier
				Power (kW)			
# 16	Canada	43 X 1 unit	465	19,995		Nov. '86	THY
* 17	Taiwan	66 X 2 units	265	34,980		Sep. '87	THY
* 18	Colombia	80 X 1 unit	105	8,400		Jan. '88	THY
19	Germany	65 X 1 unit	888	57,720		Mar. '89	THY
20	USA	50 X 2 units	400	40,000		June '88	THY
* 21	USA	43 X 1 unit	84	3,612		Apr. '88	THY
* 22	People's Republic of China	40 X 3 units	430	51,600		Mar. '89	THY
23	Taiwan	60 X 1 unit	230	13,800		Jan. '89	THY
* 24	Taiwan	45 X 1 unit	143	6,435		Mar. '89	THY
* 25	People's Republic of China	21.6 X 1 (2x10.8) unit	360	7,776		Sep. '89	DI
* 26	Thailand	84 1 unit	120	10,080		July '89	THY
* 27	Japan	60 X 1 unit	110	6,600		July '89	THY
28	USA	100 X 1 unit	300	30,000		sep. '89	THY
* 29	Korea	53.15 X 2 units	400	42,520		Feb. '90	THY
# 30	Taiwan	75 1 unit	65	4,875		Dec. '89	THY
* 31	Korea	40 X 1 unit	144	5,760		Dec. '89	THY
# 32	Japan	100 X 1 unit	70	7,000		Jan. '90	THY

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				Power (kW)			
* 33	Korea	68 X 1 unit	106	7,208		May '90	THY
* 34	USA	147 X 4 units	407	239,316		Apr. '90	THY
* 35	Canada	70 X 2 units	290	40,600		Mar. '90	THY
# 36	Canada	150 X 1 unit	250	37,500		Oct. '90	THY
# 37	Canada	67.5 X 1 unit	452	30,510		Nov. '90	THY
# 38	USA	80 X 1 unit	330	26,400		Aug. '90	THY
# 39	USA	105 X 1 unit	311	32,655		Jan. '91	THY
40	USA	67.5 X 2 units	340	45,900		May '91	THY
# 41	USA	65 X 1 unit	156	10,140		June '91	THY
42	USA	72 X 1 unit	860	61,920		Aug. '91	THY
* 43	Malaysia	33 X 2 units	132	8,712		June '91	THY
* 44	Japan	40 X 1 unit	450	18,000		Oct. '91	THY
* 45	Japan	36 X 1 unit	220	7,920		Mar. '92	THY
# 46	USA	83 X 1 unit	105	8,715		Mar. '93	THY
# 47	Indonesia	62 X 2 units	154	19,096		June '93	THY
* 48	Vietnam	69 X 1 units	202	13,938		Aug. '93	THY
* 49	Japan	11.5 X 1 unit	220	2,530		July '94	THY

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				Power (kW)			
* 50	Korea	17 X 1 unit	370	6,290		July '94	THY
* 51	Japan	11.5 X 1 unit	220	2,530		Aug. '95	THY
* 52	Japan	73 X 1 unit	360	26,280		Oct. '95	THY
* 53	Korea	17 X 1 unit	490	8,330		Nov. '95	THY
* 54	People's Republic of China	16.5 X 2 units	360	11,880		Nov. '95	THY
* 55	Malaysia	22.68 X 1 unit	371	8,414		May '96	THY
* 56	Japan	49.5 (3x16.5) X 1 unit	500	24,750		May '96	THY
# 57	Indonesia	66 X 1 unit	157	10,362		Nov. '96	THY
* 58	Japan	16.4 X 4 units	570	37,392		Oct. '96	THY
* 59	Thailand	75 X 2 units	220	33,000		Nov. '96	THY
* 60	Japan	25 X 1 unit	403	10,075		May '97	THY
* 61	Japan	42 X 1 unit	315	13,230		May '97	THY
* 62	People's Republic of China	59 X 3 units	295	52,215		July '97	THY
* 63	Korea	25 X 4 units	550	55,000		June '97	THY
* 64	Canada	72 X 1 unit	860	61,920		Jan. '97	THY
* 65	Japan	87.5 X 4 units	330	115,500		June '97	THY
* 66	Taiwan	108 (8x13.5) X 4 units	430	185,760		Dec. '97	THY

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				Power (kW)			
* 67	USA	31 X 4 units	532	65,968		Dec. '97	THY
* 68	Korea	24.3 X 3 units	354	25,807		Mar. '98	THY
# 69	Canada	155 X 1 unit	88	13,640		Apr. '98	THY
70	USA	130 X 1 unit	225	29,250		Feb. '98	THY
71	USA	40 X 3 units	710	85,200		Apr. '98	THY
* 72	Japan	42 X 2 units	220	18,480		Mar. '98	THY
* 73	USA	133 X 2 units	750	199,500		Aug. '98	DI
* 74	Japan	30 X 1 unit	80	2,400		July '98	THY
* 75	Thailand	14.5 X 2 units	530	15,370		Nov. '98	THY
* 76	Argentina	15.84 X 3 units	555	26,374		Aug. '98	THY
* 77	Japan	66 X 3 units (3x22)	600	118,800		July '99	THY
* 78	Japan	22 X 1 unit	110	2,420		June '99	THY
* 79	Japan	70 X 1 unit	260	18,200		Aug. '99	THY
* 80	Taiwan	129.6 X 2 units (8x16.2)	425	110,160		May '00	THY
* 81	Korea	17 X 1 unit	660	11,220		Apr. '00	THY
* 82	Korea	18 X 1 unit	380	6,840		May '00	THY
83	USA	72 X 2 units	860	123,840		Aug. '00	THY
# 84	Indonesia	12 X 1 unit	162.5	1,950		May '00	THY

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				Power (kW)			
# 85	Indonesia	12 X 1 unit	162.5	1,950		May '00	THY
# 86	Canada	30 X 1 unit	480	14,400		Aug. '00	THY
* 87	Vietnam	20 X 1 unit	470	9,400		Sep. '00	THY
* 88	Japan	140 X 1 unit	238	33,320		Aug. '00	THY
* 89	Japan	42 X 1 unit	315	13,230		June, '01	THY
# 90	Canada	155 X 1 unit	165	25,575		Aug. '01	THY
# 91	Canada	95 X 1 unit	480	45,600		Sep. '01	THY
* 92	Germany	121.2 (4x30.3) X 2 units	520	126,048		Apr. '02	THY
* 93	Japan	85 X 1 unit	250	21,250		Sep. '01	THY
* 94	USA	100 X 2 units	170	34,000		Feb. '02	THY
* 95	Korea	25 (2x12.5) X 1 unit	550	13,750		May '02	THY
* 96	Thailand	14.5 X 1 unit	530	7,685		Nov. '02	THY
97	Germany	72 X 1 unit	950	68,400		Jan. '03	THY
98	USA	72 X 2 units	860	123,840		Jan. '03	THY
99	Brazil	72 X 1 unit	860	61,920		Jan. '03	THY
* 100	People's Republic of China	16.5 X 1 unit	510	8,415		Apr. '03	THY
* 101	Korea	18 X 1 unit	380	6,840		Apr. '03	THY

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No.	Destination	Current (kA DC)	Voltage (V DC)	Total Output		Delivery	Type of Rectifier
				Power (kW)			
* 102	Japan	73 X 1 unit	645	47,085		Under mfg.	THY
# 103	People's Republic of China	48 X 2 units	335	32,160		Under mfg.	THY
# 104	Indonesia	84.5 X 1 unit	261	22,055		Under mfg.	THY
# 105	Indonesia	63.5 X 1 unit	173	10,986		Under mfg.	THY
Total		9041.74 kA		3,428,964 kW			

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