

Ratings, types and voltages

ACS800-X04, supply module, $U_N = 400\text{ V}$

ACS800	-	X04	-	XXXX	-	3 7	+	XXXX
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Nominal ratings				No-overload use	Light-overload use		Heavy-duty use		Heat dissipation kW	Type designation	Frame size
$I_{\text{cont. max}}$ A (AC)	$I_{\text{cont. max}}$ A (DC)	I_{max} A (DC)	S_N kVA	$P_{\text{cont. max}}$ kW (DC)	I_N A (DC)	P_N kW (DC)	I_{hd} A (DC)	P_{hd} kW (DC)			

$U_N = 400\text{ V}$ (Range 380 to 415 V). The power ratings are valid at nominal voltage 400 V.

IGBT supply module (ISU)											
5.3	6.4	9.3	3.8	3.8	6.2	3.7	4.7	2.7	0.3	ACS800-204-0003-3	R2i + RLCL-01-5
11.3	13.7	19.9	8.1	8.0	13.2	8.0	9.9	5.8	0.5	ACS800-204-0008-3	R2i + RLCL-02-5
27.7	33.6	48.7	20.0	19.8	32.3	20	24.3	14.3	0.8	ACS800-204-0021-3	R3i + RLCL-03-5
44.9	54.4	78.7	32.2	31.9	52.2	32	39.4	23.1	1.3	ACS800-204-0031-3	R4i + RLCL-11-5
84.0	101.9	147.4	60.3	59.7	97.8	60	73.7	43.3	2.2	ACS800-204-0061-3	R5i + RLCL-12-5
182	221	330	131	130	212	124	165	97	3.8	ACS800-204-0135-3	R7i + ALCL-04-5
224	272	406	161	159	261	153	203	119	4.2	ACS800-204-0155-3	R7i + ALCL-05-5
284	344	471	204	202	331	194	258	151	5.9	ACS800-204-0200-3	R8i + ALCL-12-5
378	458	627	272	269	440	258	343	201	8	ACS800-204-0260-3	R8i + ALCL-13-5
473	573	784	340	336	550	323	429	252	10.3	ACS800-204-0330-3	R8i + ALCL-14-5
630	764	1046	453	448	733	430	571	335	14.6	ACS800-204-0440-3	R8i + ALCL-15-5
945	1146	1568	679	672	1100	646	857	503	20.5	ACS800-204-0660-3	2xR8i + ALCL-24-5
1235	1497	2049	888	879	1437	844	1120	657	28.3	ACS800-204-0860-3	2xR8i + ALCL-25-5
1833	2223	3042	1318	1304	2134	1252	1662	976	41.7	ACS800-204-1270-3	3xR8i + 2xALCL-24-5
2419	2933	4015	1739	1722	2816	1653	2194	1288	54.8	ACS800-204-1680-3	4xR8i + 2xALCL-25-5
3591	4354	5960	2581	2555	4180	2453	3257	1911	81	ACS800-204-2490-3	6xR8i + 3xALCL-25-5

6-pulse diode supply unit (DSU)											
286	350	462	198	183	335	175	280	147	1.5	ACS800-304-0320-7	D3
408	500	700	283	262	480	251	400	210	2.4	ACS800-304-0450-7	D3
571	700	924	396	367	670	351	560	293	3.8	ACS800-704-0640-7	D4
816	1000	1400	566	524	960	503	800	419	5	ACS800-704-0910-7	D4
1143	1400	1848	792	733	1340	702	1120	587	7.6	ACS800-704-1370-7	2xD4
1518	1860	2604	1052	974	1790	938	1490	780	10	ACS800-704-1810-7	2xD4
2278	2790	3906	1578	1461	2685	1406	2230	1168	15	ACS800-704-2720-7	3xD4
3037	3720	5208	2104	1949	3580	1875	2980	1561	20	ACS800-704-3630-7	4xD4
3796	4650	6510	2630	2436	4475	2344	3720	1949	25	ACS800-704-4540-7	5xD4

6-pulse regenerative thyristor supply unit (TSU)											
981	1202	1947	680	639	1136	604	880	468	6.3	ACS800-404-0680-3	2xB4 + choke
1617	1980	3208	1120	1053	1872	995	1450	721	10.2	ACS800-404-1120-3	2xB4 + choke
2449	3000	4860	1697	1595	2838	1509	2244	1193	16.5	ACS800-404-1700-3	2xB5 + choke
2858	3500	5670	1980	1861	3311	1760	2618	1392	20.8	ACS800-404-2100-3	2xB5 + choke

12-pulse diode supply unit (DSU)											
571	700	924	396	367	670	351	560	293	3.8	ACS800-704-0640-7	D4
816	1000	1400	566	524	960	503	800	419	5	ACS800-704-0910-7	D4
1143	1400	1848	792	733	1340	702	1120	587	7.6	ACS800-704-1370-7	2xD4
1518	1860	2604	1052	974	1790	938	1490	780	10	ACS800-704-1810-7	2xD4
2278	2790	3906	1578	1461	2685	1406	2230	1168	15	ACS800-704-2720-7	3xD4
3037	3720	5208	2104	1949	3580	1875	2980	1561	20	ACS800-704-3630-7	4xD4
3796	4650	6510	2630	2436	4475	2344	3720	1949	25	ACS800-704-4540-7	5xD4

Dimensions

Frame size	Height mm	Width mm	Depth mm	Weight kg	Noise level dB(A)	Air flow m³/h
IGBT supply unit (ISU)						
R2i	401	165	193	9	62	35
R3i	466	173	232	12	62	69
R4i	525	240	252	15	62	103
R5i	673	265	276	23	65	250
R7i ¹⁾	963	170	408	38	72 ⁴⁾	800
R8i	1397	245	596	130	74 ⁴⁾	1280
2xR8i	1397	245 ²⁾	596	260	76 ⁴⁾	2560
3xR8i	1397	245 ²⁾	596	390	78 ⁴⁾	3840
4xR8i	1397	245 ²⁾	596	520	78 ⁴⁾	5120
6xR8i	1397	245 ²⁾	596	780	80 ⁴⁾	7680
LCL-filter for IGBT supply unit (ISU)						
RLCL-01-5	850	173	137	15	69	-
RLCL-02-5	850	173	137	15	69	-
RLCL-03-5	850	173	137	20	69	-
RLCL-11-5	920	265	169.5	40	69	-
RLCL-12-5	920	265	169.5	50	69	-
ALCL-0X-X	810	304	292	72	-	480
ALCL-1X-X	1397	240	499	180	-	400
ALCL-2X-X	1397	240	573	305	-	1280

Frame size	Height mm	Width mm	Depth mm	Weight kg	Noise level dB(A)	Air flow m³/h
6-pulse diode supply unit (DSU)						
D3	1480	234	400 ³⁾	130	65	720
D4	1480	234	400 ³⁾	180	65	720
2XD4	1480	234 ²⁾	400 ³⁾	360	67	1440
3XD4	1480	234 ²⁾	400 ³⁾	540	68	2160
4XD4	1480	234 ²⁾	400 ³⁾	720	69	2880
5XD4	1480	234 ²⁾	400 ³⁾	900	70	3600
6-pulse regenerative thyristor supply unit (TSU)						
2XB4	1808	340 ²⁾	430	110 ²⁾	72 ⁵⁾	2000
2XB5	1808	420 ²⁾	430	150 ²⁾	75 ⁵⁾	3400
DC chokes for 6-pulse regenerative supply unit (TSU)						
choke B4	771	348	449	110	-	600
choke B5	991	348	449	150	-	700
12-pulse diode supply unit (DSU)						
D4	1480	234	400 ³⁾	180	65	720
2XD4	1480	234 ²⁾	400 ³⁾	360	67	1440
3XD4	1480	234 ²⁾	400 ³⁾	540	68	2160
4XD4	1480	234 ²⁾	400 ³⁾	720	69	2880
5XD4	1480	234 ²⁾	400 ³⁾	900	70	3600

¹⁾ Dimensions do not include cooling fan.

²⁾ Single module only.

³⁾ Cable connections need additional space (about 200 mm) behind the module.

⁴⁾ Supply modules + filters.

⁵⁾ Supply modules + choke.