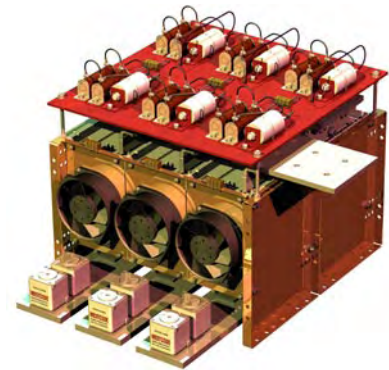


A standard assembly module provides the basic building block for this new range of assemblies.

Assembly modules can incorporate either single or dual devices and allow for the building of; single-phase diode and thyristor bridges, 3-phase diode and thyristor bridges, or 6-phase single way diode and thyristor assemblies.

A custom built assembly can be provided when a standard solution is not suitable.



Westack - Modular Solutions

Single phase diode bridges

Approx. total loss $2 \cdot I_{DC}$ @ 25°C

Assembly Part Number	I _{DC} amps Air Forced 2.5m/s			I _{FSM} amps	I ² t A ² s	Dimensions mm				Mass kg	Device Type and Quantity	Heat Sink Type	
	T _a = 25°C	T _a = 35°C	T _a = 45°C			Fig.	W	H	D				
SXB1375B	1375	1303	1230	19500	1.9x10 ⁶	1	382	325	405	20	W2058LC (4)	B(2x83,1x180)	
SXB2096B	2096	1987	1874	33000	5.45x10 ⁶	1	382	325	405	20	W3270NC (4)	B(2x83,1x180)	
SXB3442B	3442	3277	3109	53000	13.5x10 ⁶	2	382	593	405	40	W5696VC (4)	B(2x180)	
SXB4264B	4264	4051	3835	72000	22.5x10 ⁶	2	382	593	405	40	W8405ZC (4)	B(2x180)	

Three phase diode bridges

Approx. total loss $2.5 \cdot I_{DC}$ @ 25°C

Assembly Part Number	I _{DC} amps Air Forced 2.5m/s			I _{FSM} amps	I ² t A ² s	Dimensions mm				Mass kg	Device Type and Quantity	Heat Sink Type	
	T _a = 25°C	T _a = 35°C	T _a = 45°C			Fig.	W	H	D				
SXB1920G	1920	1822	1721	19500	1.9x10 ⁶	3	548	325	405	30	W2058LC (6)	B(2x83,1x180)	
SXB2939G	2939	2788	2634	33000	5.45x10 ⁶	3	548	325	405	30	W3270NC (6)	B(2x83,1x180)	
SXB4869G	4869	4640	4407	53000	13.5x10 ⁶	4	548	593	405	60	W5696VC (6)	B(2x180)	
SXB5993G	5993	5701	5402	72000	22.5x10 ⁶	4	548	593	405	60	W8405ZC (6)	B(2x180)	

Six phase diode, single way with IPT

Approx. total loss $1.25 \cdot I_{DC}$ @ 25°C

Assembly Part Number	I _{DC} amps Air Forced 2.5m/s			I _{FSM} amps	I ² t A ² s	Dimensions mm				Mass kg	Device Type and Quantity	Heat Sink Type	
	T _a = 25°C	T _a = 35°C	T _a = 45°C			Fig.	W	H	D				
SXB3840HEX	3840	3644	3442	19500	1.9x10 ⁶	5	548	325	395	30	W2058LC (6)	B(2x83,1x180)	
SXB5877HEX	5877	5576	5268	33000	5.45x10 ⁶	5	548	325	395	30	W3270NC (6)	B(2x83,1x180)	
SXB9737HEX	9737	9281	8813	53000	13.5x10 ⁶	6	548	593	395	60	W5696VC (6)	B(2x180)	
SXB11987HEX	11987	11401	10804	72000	22.5x10 ⁶	6	548	593	395	60	W8405ZC (6)	B(2x180)	

Six phase thyristor, single way with IPT

Approx. total loss $1.5 \cdot I_{DC}$ @ 25°C

Assembly Part Number	I _{DC} amps Air Forced 2.5m/s			I _{FSM} amps	I ² t A ² s	Dimensions mm				Mass kg	Device Type and Quantity	Heat Sink Type	
	T _a = 25°C	T _a = 35°C	T _a = 45°C			Fig.	W	H	D				
SXB2428HEXT	2428	2233	2030	15000	1.13x10 ⁶	5	548	325	395	30	N1265LS (6)	B(2x83,1x180)	
SXB3529HEXT	3529	3244	2949	29600	4.38x10 ⁶	5	548	325	395	30	N1802NS (6)	B(2x83,1x180)	
SXB4649HEXT	4649	4270	3878	37000	6.85x10 ⁶	6	548	593	395	60	N2500VC (6)	B(2x180)	
SXB6240HEXT	6240	5714	5173	64000	20.5x10 ⁶	6	548	593	395	60	N4085ZC (6)	B(2x180)	

Single phase fully controlled bridges

Approx. total loss $2.5 \cdot I_{DC}$ @ 25°C

Assembly Part Number	I _{DC} amps Air Forced 2.5m/s			I _{FSM} amps	I ² t A ² s	Dimensions mm				Mass kg	Device Type and Quantity	Heat Sink Type	
	T _a = 25°C	T _a = 35°C	T _a = 45°C			Fig.	W	H	D				
SXB868FB	868	797	724	15000	1.13x10 ⁶	1	382	325	405	20	N1265LS (4)	B(2x83,1x180)	
SXB1265FB	1265	1161	1054	29600	4.38x10 ⁶	1	382	325	405	20	N1802NS (4)	B(2x83,1x180)	
SXB1645FB	1645	1508	1367	37000	6.85x10 ⁶	2	382	593	405	40	N2500VC (4)	B(2x180)	
SXB2167FB	2167	1981	1790	64000	20.5x10 ⁶	2	382	593	405	40	N4085ZC (4)	B(2x180)	

Three phase fully controlled bridges

Approx. total loss $3 \cdot I_{DC}$ @ 25°C

Assembly Part Number	I _{DC} amps Air Forced 2.5m/s			I _{FSM} amps	I ² t A ² s	Dimensions mm				Mass kg	Device Type and Quantity	Heat Sink Type	
	T _a = 25°C	T _a = 35°C	T _a = 45°C			Fig.	W	H	D				
SXB1214FG	1214	1116	1015	15000	1.13x10 ⁶	3	548	325	405	30	N1265LS (6)	B(2x83,1x180)	
SXB1764FG	1764	1622	1475	29600	4.38x10 ⁶	3	548	325	405	30	N1802NS (6)	B(2x83,1x180)	
SXB2324FG	2324	2135	1939	37000	6.85x10 ⁶	4	548	593	405	60	N2500VC (6)	B(2x180)	
SXB3120FG	3120	2857	2586	64000	20.5x10 ⁶	4	548	593	405	60	N4085ZC (6)	B(2x180)	