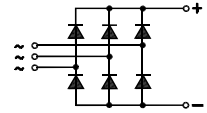


# Three Phase Rectifier Bridges



released, E 148688



## 3 ~ Rectifier Bridges, B6U

Type	$V_{RRM}$	$V_{VRMS}$	$I_{DAV}$	$T_C$	$I_{FSM}$ 45°C 10ms	$V_{TO}$	$r_T$	$T_{VJM}$	$R_{thJC}$	$R_{thJH}$	Figure	Package style see outlines starting at page 86
	V	V							A	°C		
PSD 67/06	600	180	68	100	300	0.8	13	150	1.1	1.6	24	Fig. 29 Weight = 240 g
PSD 67/08	800	250										
PSD 67/12	1200	400							0.18	0.27		
PSD 67/14	1400	440										
PSD 67/16	1600	500										
PSD 67/18	1800	575										
PSD 68/06	600	180	68	100	300	0.8	13	150	1.1	1.6	25	
PSD 68/08	800	250										
PSD 68/12	1200	400							0.18	0.27		
PSD 68/14	1400	440										
PSD 68/16	1600	500										
PSD 68/18	1800	575										
PSD 75/08	800	250	95	85	1000	0.8	6	150	1.28	1.38	29	Fig. 1 Weight = 160 g
PSD 75/12	1200	400										
PSD 75/14	1400	440							0.213	0.23		
PSD 75/16	1600	500										
PSD 75/18	1800	575										
PSD 82/08	800	250	88	110	750	0.8	5	150	1.1	1.52	1	
PSD 82/12	1200	400										
PSD 82/14	1400	440							0.183	0.253		
PSD 82/16	1600	500										
PSD 82/18	1800	575										
PSD 83/08	800	250	100	100	1200	0.8	5	150	0.58	0.825	25	Fig. 25 Weight = 16 g
PSD 83/12	1200	400										
PSD 83/14	1400	440							0.097	0.138		
PSD 83/16	1600	500										
PSD 83/18	1800	575										
PSD 86/06	600	180	86	90	530	0.8	7.5	150	1.2	1.5	25	
PSD 86/08	800	250										
PSD 86/12	1200	400							0.2	0.25		
PSD 86/14	1400	440										
PSD 86/16	1600	500										
PSD 86/18	1800	575										
PSD 95/08	800	250	140	85	1200	0.8	5	150	0.9	1.1	7	ECO-PAC™ 1 Fig. 7 Weight = 220 g
PSD 95/12	1200	400										
PSD 95/14	1400	440							0.15	0.183		
PSD 95/16	1600	500										
PSD 95/18	1800	575										
PSD 98/08	800	250	100	85	750	0.8	6	150	1.2	1.5	68	
PSD 98/12	1200	400										
PSD 98/14	1400	440							0.2	0.25		
PSD 98/16	1600	500										
PSD 105/08	800	250	160	85	1500	0.8	5	150	0.83	1.13	29	Fig. 68 Weight = 22 g
PSD 105/12	1200	400										
PSD 105/14	1400	440							0.138	0.188		
PSD 105/16	1600	500										
PSD 105/18	1800	575										
PSD 108/08	800	250	117	100	900	0.8	4	150	0.85	1.15	68	
PSD 108/12	1200	400										
PSD 108/14	1400	440							0.142	0.192		
PSD 108/16	1600	500										
PSD 112/08	800	250	127	90	1200	0.8	4	150	0.9	1.08	2	ECO-PAC™ 2
PSD 112/12	1200	400										
PSD 112/14	1400	440							0.15	0.18		
PSD 112/16	1600	500										
PSD 112/18	1800	575										
PSD 125/08	800	250	166	85	1800	0.8	3	150	0.83	1.13	29	
PSD 125/12	1200	400										
PSD 125/14	1400	440							0.138	0.188		
PSD 125/16	1600	500										
PSD 125/18	1800	575										
PSD 162/08	800	250	175	90	1800	0.8	3	150	0.65	0.83	2	
PSD 162/12	1200	400										
PSD 162/14	1400	440							0.108	0.138		
PSD 162/16	1600	500										
PSD 162/18	1800	575										
PSD 192/08	800	250	248	90	2800	0.8	2.2	150	0.45	0.6		
PSD 192/12	1200	400										
PSD 192/14	1400	440							0.075	0.1		

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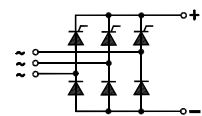
PSD 192/16	1600	500									
PSD 192/18	1800	575									

Fig. 2  
Weight = 270 g






## Three Phase Rectifier Bridges

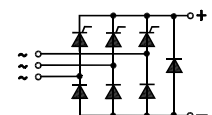
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### 3 ~ Half Controlled Rectifier Bridges, B6HK

Type	V <sub>RRM</sub>	V <sub>VRMS</sub>	I <sub>DAV</sub>	T <sub>C</sub>	I <sub>FSM</sub> 45°C 10ms	V <sub>TO</sub>	r <sub>T</sub>	T <sub>VJM</sub>	R <sub>thJC</sub> Chip ----- Module K/W	R <sub>thJH</sub> Chip ----- Module K/W	Figure	Package style see outlines starting at page 86
	V	V	A	°C	A	V	mΩ	°C				
PSDH 39/08 PSDH 39/12	800 1200	250 400	39	85	200	0.85	27	125	1.3 ----- 0.22	1.8 ----- 0.3	30	Fig. 30 Weight = 16 g
PSDH 70/08 PSDH 70/12 PSDH 70/14 PSDH 70/16	800 1200 1400 1600	250 400 440 500	70	85	550	0.85	11	125	0.9 ----- 0.15	1.1 ----- 0.183	6	 <b>ECO-PAC™ 1</b>
PSDH 74/08* PSDH 74/12* PSDH 74/14* PSDH 74/16*	800 1200 1400 1600	250 400 440 500	74	85	550	0.85	11	125	0.8 ----- 0.2	1.1 ----- 0.275	76	Fig. 6 Weight = 100 g
PSDH 75/08 PSDH 75/12 PSDH 75/14 PSDH 75/16	800 1200 1400 1600	250 400 440 500	75	85	520	0.85	11	125	0.9 ----- 0.15	1.1 ----- 0.183	7	 Fig. 76
PSDH 90/08 PSDH 90/12 PSDH 90/14	800 1200 1400	250 400 440	100	85	1150	0.85	5.33	125	0.6 ----- 0.1	0.8 ----- 0.133		 <b>ECO-PAC™ 3</b>
PSDH 110/08 PSDH 110/12 PSDH 110/14	800 1200 1400	250 400 440	110	85	1150	0.85	6	125	0.65 ----- 0.108	0.8 ----- 0.133	2	
PSDH 175/08 PSDH 175/12 PSDH 175/14 PSDH 175/16	800 1200 1400 1600	250 400 440 500	167	85	1500	0.85	3.5	125	0.46 ----- 0.077	0.55 ----- 0.092		

 released, E 148688



### 3 ~ Half Controlled Rectifier Bridges with Freewheeling Diode, B6HKF

Type	V <sub>RRM</sub>	V <sub>VRMS</sub>	I <sub>DAV</sub>	T <sub>C</sub>	I <sub>FSM</sub> 45°C 10ms	V <sub>TO</sub>	r <sub>T</sub>	T <sub>VJM</sub>	R <sub>thJC</sub> Chip ----- Module K/W	R <sub>thJH</sub> Chip ----- Module K/W	Figure	Package style see outlines starting at page 86
	V	V	A	°C	A	V	mΩ	°C				
PSFH 70/08 PSFH 70/12 PSFH 70/14 PSFH 70/16	800 1200 1400 1600	250 400 440 500	70	85	550	0.85	11	125	0.9 ----- 0.15	1.1 ----- 0.157	6	

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