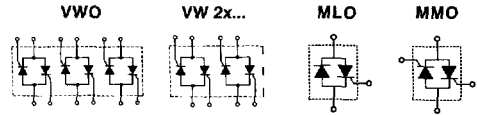
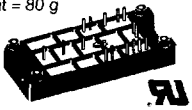

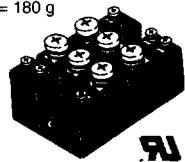


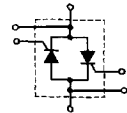
# AC Controller 1~ / 2~ / 3~



$I_{RMS} = 39 - 143 A$

Type	$V_{RRM}$	$V_{VRMS}$	$I_{RMS}$ $T_C = 85^\circ C$	$I_{TSM}$ $45^\circ C$ 10 ms	$V_{TO}$	$r_T$	$T_{VJM}$	$R_{thJC}$ per Chip	$R_{thJH}$ per Chip	Fig. No.	Package style
► New	V	V	A	A	V	m	°C	K/W	K/W		Outline drawings on page 91-100
VWO 36-08io7 VWO 36-12io7 VWO 36-14io7 VWO 36-16io7	800 1200 1400 1600	250 400 440 500	3x39 $T_H=85^\circ C$	320	0.85	13	125	1.3	1.5	62	Fig. 48 V2-Package Weight = 80 g 
VWO 40-08io7 VWO 40-12io7 VWO 40-14io7 VWO 40-16io7	800 1200 1400 1600	250 400 440 500	3x40	400	0.85	15	125	1.43	1.53	63	
VWO 50-08io7 VWO 50-12io7 VWO 50-14io7 VWO 50-16io7	800 1200 1400 1600	250 400 440 500	3x50	520	0.85	11	125	1.2	1.31	63	Fig. 62 Weight = 100 g
VWO 60-08io7 VWO 60-12io7 VWO 60-14io7 VWO 60-16io7	800 1200 1400 1600	250 400 440 500	3x60	550	0.85	11	125	0.9	1.1	62	
VWO 85-08io1 VWO 85-12io1 VWO 85-14io1 VWO 85-16io1	800 1200 1400 1600	250 400 440 500	3x83	520	0.85	11	150	0.92	1.22	48	
VWO 80-08io7 VWO 80-12io7 VWO 80-14io7	800 1200 1400	250 400 440	3x82	1000	0.85	5.2	125	0.81	1.0	63	Fig. 63 Weight = 180 g 
VWO 95-08io7 VWO 95-12io7 VWO 95-14io7	800 1200 1400	250 400 440	3x96	1150	0.85	4.8	125	0.66	0.93		
VWO 140-08io1 VWO 140-12io1 VWO 140-14io1 VWO 140-16io1	800 1200 1400 1600	250 400 440 500	3x143	1150	0.85	5.2	150	0.6	0.7	48	

## 1~ AC Controller with isolated Water Cooling



Type	$V_{RRM}$	$V_{VRMS}$	$I_{RMS}$ $T_{amb}=17^\circ C$ 4l/min	$I_{TSM}$ $45^\circ C$ 10 ms	$V_{TO}$	$r_T$	$T_{VJM}$	$R_{thJW}$ per Chip 4l/min	Fig. No.	Package style
	V	V	A	A	V	m	°C	K/W		Outline drawings on page 91-100
HVL 900-12io1 HVL 900-14io1 HVL 900-16io1 HVL 900-18io1	1200 1400 1600 1800	400 440 500 590	900	9200	0.8	0.68	140	0.203	69	Fig. 69 Weight = 1300 g 