

Voltage Peak Limiter Load vs Power Tables

C Series C 68:4, C 48:4, C 28:4, C 16:4: Dedicated Installation Amplifiers

C Series amplifiers include the user-definable Voltage Peak Limiter (VPL) function. Rear-panel DIP-switch settings allow the output voltage to be adjusted and consequently the output power available. The following tables provide information, for the listed C Series models, about resultant output power at typical loads (single-channel and bridged operation) with the available VPL settings.

C 68:4								
Voltage Peak Limiter			Output power per channel (W)					
			Load					
VPL Setting	V peak	Vrms	16 Ω	8 Ω	4 Ω	2 Ω	Hi Z	
141 V	141	100	650	1200	1700	1200	1600	
118 V	118	84	440	880	1700	1200		
100 V	100	70	315	630	1250	1200	1600	
85 V	85	60	220	440	890	1200		
71 V	71	50	155	310	630	1200	1200	
59 V	59	42	110	220	440	890		
50 V	50	35	80	160	310	630		
42 V	42	30	55	110	220	440		
Voltage Peak Limiter			Output power bridged per two channels (W)					
			Load					
VPL Setting	V peak	Vrms	16 Ω	8 Ω	4 Ω	2 Ω	Hi Z	
141 V	282	200	2400	3400	2400		3200	
118 V	236	168	1760	3400	2400			
100 V	200	140	1260	2500	2400		3200	
85 V	170	120	880	1780	2400			
71 V	142	100	620	1260	2400		2400	
59 V	118	84	440	880	1780			
50 V	100	70	320	620	1260			
42 V	84	60	220	440	880			

C 48:4								
Voltage Peak Limiter			Output power per channel (W)					
			Load					
VPL Setting	V peak	Vrms	16 Ω	8 Ω	4 Ω	2 Ω	Hi Z	
141 V	141	100	625	1000	1200	600	900	
118 V	118	84	440	880	1200	600		
100 V	100	70	315	630	1200	600	1200	
85 V	85	60	220	440	890	600		
71 V	71	50	155	310	630	600	630	
59 V	59	42	110	220	440	600		
50 V	50	35	80	160	310	600		
42 V	42	30	55	110	220	440		
Voltage Peak Limiter			Output power bridged per two channels (W)					
			Load					
VPL Setting	V peak	Vrms	16 Ω	8 Ω	4 Ω	2 Ω	Hi Z	
141 V	282	200	2000	2400	1200		1800	
118 V	236	168	1780	2400	1200			
100 V	200	140	1260	2400	1200		2400	
85 V	170	120	880	1780	1200			
71 V	142	100	620	1260	1200		1260	
59 V	118	84	440	880	1200			
50 V	100	70	320	620	1200			
42 V	84	60	220	440	880			

C 28:4								
Voltage Peak Limiter			Output power per channel (W)					
			Load					
VPL Setting	V peak	Vrms	16 Ω	8 Ω	4 Ω	2 Ω	Hi Z	
141 V	141	100	600	700	700	300		700
118 V	118	84	440	700	600	300		
100 V	100	70	310	700	600	300		700
85 V	85	60	220	440	600	300		
71 V	71	50	160	310	600	300		600
59 V	59	42	110	220	440	300		
50 V	50	35	80	160	310	300		
42 V	42	30	55	110	220	300		

C 28:4								
Voltage Peak Limiter			Output power bridged per two channels (W)					
			Load					
VPL Setting	V peak	Vrms	16 Ω	8 Ω	4 Ω	2 Ω	Hi Z	
141 V	282	200	1400	1200	600			1400
118 V	236	168	1400	1200	600			
100 V	200	140	1400	1200	600			1400
85 V	170	120	1260	1200	600			
71 V	142	100	880	1200	600			1200
59 V	118	84	620	880	600			
50 V	100	70	440	620	600			
42 V	84	60	320	440	600			

C 16:4								
Voltage Peak Limiter			Output power per channel (W)					
			Load					
VPL Setting	V peak	Vrms	16 Ω	8 Ω	4 Ω	2 Ω	Hi Z	
141 V	141	100	400	400	300	n.r.		400
118 V	118	84	300	400	300	n.r.		
100 V	100	70	300	400	300	n.r.		400
85 V	85	60	220	400	300	n.r.		
71 V	71	50	155	310	300	n.r.		400
59 V	59	42	110	220	300	n.r.		
50 V	50	35	80	160	300	n.r.		
42 V	42	30	55	110	220	n.r.		

C 16:4								
Voltage Peak Limiter			Output power bridged per two channels (W)					
			Load					
VPL Setting	V peak	Vrms	16 Ω	8 Ω	4 Ω	2 Ω	Hi Z	
141 V	282	200	800	600	n.r.			800
118 V	236	168	800	600	n.r.			
100 V	200	140	800	600	n.r.			800
85 V	170	120	800	600	n.r.			
71 V	142	100	620	600	n.r.			620
59 V	118	84	440	600	n.r.			
50 V	100	70	320	600	n.r.			
42 V	84	60	220	440	n.r.			



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Item no. VPL-CS_V4