

Date : Jun.2,2025

Temperature increase of main components : 主要部品温度上昇

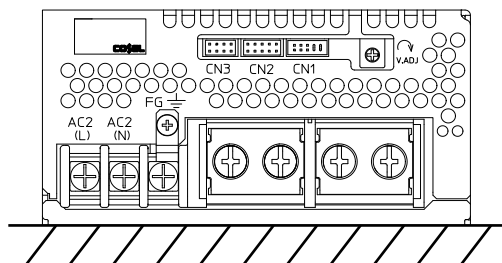
Model: PDA600F

1. Conditions

- (1) Input :AC 85 ~ 264 [V]
 (2) Output :Rated output
 (3) Mounting method :As shown in Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT) [deg]					Rated temp. [°C]	Reference
			12V	15V	24V	36V	48V		
1	Line Filter	L101	53	53	53	53	43	130	
2	Line Filter	L102	53	53	53	43	35	130	
3	Rectifier(Input)	SS101	53	53	53	60	42	150	Junction Temp.
4	Choke coil(PFC)	L103	53	53	53	41	28	130	
5	Switching transistor(PFC)	TR101	53	53	53	62	52	150	Junction Temp.
6	Rectifying diode(PFC)	D101	53	53	53	44	8	175	Junction Temp.
7	Inrush Current Limiting Thyristor	SCR101	53	53	53	49	60	150	Junction Temp.
8	Input capacitor	C117	53	53	53	7	49	105	
9	Switching transistor1(DCDC)	TR301	53	53	53	59	53	150	Junction Temp.
10	Switching transistor2(DCDC)	TR303	53	53	53	53	54	150	Junction Temp.
11	Transformer	T302	53	53	53	49	53	140	
12	Rectifying transistor1(Output)	SS501	60	50	43	52	32	150	Junction Temp.
13	Rectifying transistor2(Output)	SS502	55	51	41	56	41	150	Junction Temp.
14	Output Choke	L507	39	43	41	40	35	130	
15	Output capacitor	C509	29	26	32	35	24	125	
16	Output capacitor	C513	25	22	25	26	21	105	
17									
18									
19									
20									



(Side view)

Fig.1.1 Mounting method
(Normal position)