

Date : Oct.12,2021

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

Model: AEA1000F

## 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 ( $\Delta T$ )				Rated temp. [°C]	Reference
			[deg]					
			24V	36V	48V			
1	Line filter	L102	56	55	54		120	
2	Rectifier(Input)	SS102	66	71	71		150	Junction Temp.
3	Switching transistor(PFC)	TR102	56	65	65		150	Junction Temp.
4	Switching transistor(PFC)	TR103	62	67	59		150	Junction Temp.
5	Diode(PFC)	D101	57	61	66		175	Junction Temp.
6	Choke coil(PFC)	L103	64	59	60		130	
7	Input Capacitor	C116	35	34	33		105	
8	Transformer	T201	65	58	51		155	
9	Choke coil(DCDC)	L205	48	50	46		130	
10	Switching transistor(DCDC)	TR201	57	57	60		150	Junction Temp.
11	Switching transistor(DCDC)	TR203	54	49	51		150	Junction Temp.
12	Rectified transistor(Output)	TR502	73	65	58		175(24V) /150(36、48V)	Junction Temp.
13	Rectified transistor(Output)	TR504	74	58	44		175(24V) /150(36、48V)	Junction Temp.
14	Output Capacitor	C594	20	17	14		105	
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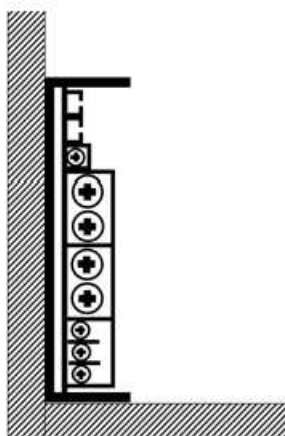


Fig.1.1 Mounting method  
(Normal position)