

Date : Mar.16,2018

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

Model: FETA7000ST

1. Conditions

- (1) Input :AC 300 ~ 456 [V] 3-phase 4-wire
 (2) Output :Rated output *Derating is required 300-320[VAC] input.
 (3) Mounting method :Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)						Rated temp. [°C]	Reference
			[deg]							
			48V	144V						
1	Line Filter	L11	65	72					130	
2	Rectifier(Input)	SS101	33	53					150	Junction Temp.
3	Choke Coil(Pfc)	L104	30	33					130	
4	Transistor(Pfc)	TR102	42	50					150	Junction Temp.
5	Rectified Diode(Pfc)	SS103	41	50					150	Junction Temp.
6	Input Capacitor	C128	19	26					105	
7	Transformer	T301	61	83					155	
8	Switching Transistor	TR306	54	59					150	Junction Temp.
9	Rectified Diode(Output)	SS501	84	80					150	Junction Temp.
10	Output Capacitor	C506	39	48					105	
11	Transformer	T701	48	58					130	
12										
13										
14										
15										
16										
17										
18										
19										
20										



(Side view)

Fig.1.1 Mounting method
(Normal position)

*All information presented herein are not guaranteed.
 *本資料は参考資料であり、その内容を保証するものではありません。