

# Output Frequency 400Hz Type

## SYN/HF series

The SYN/400Hz series are used mainly for power supply of testing airplanes and vessels equipment.

It is a power supply essential for suppliers who do a test and a development of various types of equipments and parts.

In addition, its long usage history and reliability are highly evaluated especially in the maintenance areas of the aircraft industry and has been adopted widely by government agencies and private companies.

SYN / 400Hz系列主要作为航空和船舶机器的试验用电源使用，

它是各种机器和零部件制造厂家在开发和试验中不可缺少的电源。

此外，该电源在飞机维修领域经历长期的考验，其可靠性得到很高的评价，无论是官方还是民间企业都广泛采用。



### Kind of main voltage 主要电压种类

Single phase 2 wire 单相二线模式 100V 110V 115V 120V 220V 230V 240V

Three phase 3 wire 三相三线模式 200V 210V 220V 380V 400V 415V 440V

Three phase 4 wire 三相四线模式 115/200V 120/208V 127/220V 220/380V 230/400V 240/415V 277/480V

※ 1 The voltage in the specification column describes one of examples. Please select a necessary input voltage and voltage.  
规格栏的电压只是一例。请选择必要的输入电压和输出电压。

※ 2 As an option, the frequency variable of 360 to 440Hz is available (accuracy  $\pm 0.1$ Hz).  
频率可在 360 ~ 440Hz 范围内选择 (精度  $\pm 0.1$ Hz)。

※ 3 We manufacture input 400 Hz as an option (7.5kVA or less for single phase and 20kVA or less for three-phase circuit).  
根据需要我们还可提供输入频率为 400Hz 的产品 (单相在 7.5kVA 以下, 三相在 20kVA 以下)。

● Manufacture is possible as motor load.(3 phase 5 ~ 15KVA)  
还可制作电机负载用的产品。(3 $\phi$  5 ~ 15kVA)



## 输出400Hz型频率变换器

SYN/HF系列

## Specifications 规格

400Hz Type 400Hz 型

Model 型号	SYN														
	2AF/HFX	3AF/HFX	5AF/HFX	7.5AF/HFX	10AF/HFX	15AF/HFX	20AF/HFX	5KH/HFX	7.5KH/HFX	10KH/HFX	15KH/HFX	20KH/HFX	30KH/HFX	50KH/HFX	
Capacity(KVA) 容量(KVA)	2	3	5	7.5	10	15	20	5	7.5	10	15	20	30	50	
Phase 相位	Single Phase 2 Wire 单相二线														
Voltage 电压	100/200V or 110/220V or 115/230 or 120/240V or another 100V/200 V或110/220V或115/230V或120/240V或其它														
Voltage Accuracy 电压精度	less than $\pm 1.0\%$ 小于 $\pm 1.0\%$														
Transient Response 瞬态响应	less than $\pm 5.0\%$ 小于 $\pm 5.0\%$														
Response Time 响应时间	less than 1mSec. 小于1毫秒														
Adjust Range 调整范围	$\pm 5.0\%$														
Frequency 频率	400Hz														
Frequency Accuracy 频率精度	less than $\pm 0.01 / \pm 0.1\text{Hz}$ 低于 $\pm 0.01\text{Hz} / \pm 0.1\text{Hz}$														
Wave Distortion 波形失真	less than 2%(linear load) 5%(Rectifier load) 低于2% (线性负载) 5% (整流器负载)														
Over Current Protection 过电流保护	droop over 110% 降低超过110%														
Crest Factor 峰值因数	300%														
Power Factor 功率因数	1 ~ 0.7														
Capacity(KVA) 容量(KVA)	2.2	3.3	5.5	8.3	11	16.5	22	5.5	8.3	11	16.5	22	33	55	
Phase 相位	Single Phase 2 Wire 单相二线							Three Phase 3 Wire 三相三线							
Voltage 电压	100/200V or 110/220V or 115/230 or 120/240V or another 100/200 V或110/220V或115/230V或120/240V或其它							200 or 380 or 400 or 415V or another 200V或380V或400V或415V或其它							
Voltage Range 电压范围	$\pm 10\%$														
Frequency 频率	47 ~ 63Hz														

Model 型号	SYN														
	5SH/HFX	7.5SH/HFX	10SH/HFX	15SH/HFX	20SH/HFX	30SH/HFX	50SH/HFX	75SH/HFX	100SH/HFX	150SH/HFX	200SH/HFX	250SH/HFX	300SH/HFX	500SH/HFX	
Capacity(KVA) 容量(KVA)	5	7.5	10	15	20	30	50	75	100	150	200	250	300	500	
Phase 相位	Three Phase 3 Wire 三相三线														
Voltage 电压	200 or 380 or 400 or 415V or another 200 V或380V或400V或415V或其它														
Voltage Accuracy 电压精度	less than $\pm 1.0\%$ 小于 $\pm 1.0\%$														
Transient Response 瞬态响应	less than $\pm 5.0\%$ 小于 $\pm 5.0\%$														
Response Time 响应时间	less than 1mSec. 小于1毫秒														
Adjust Range 调整范围	$\pm 5.0\%$														
Frequency 频率	400Hz														
Frequency Accuracy 频率精度	less than $\pm 0.01 / \pm 0.1\text{Hz}$ 低于 $\pm 0.01\text{Hz} / \pm 0.1\text{Hz}$														
Wave Distortion 波形失真	less than 2%(linear load) 5%(Rectifier load) 低于2% (线性负载) 5% (整流器负载)														
Over Current Protection 过电流保护	droop over 110% 降低超过110%														
Crest Factor 峰值因数	300%														
Power Factor 功率因数	1 ~ 0.7														
Capacity(KVA) 容量(KVA)	5.5	8.3	11	16.5	22	33	55	83	110	165	220	275	330	550	
Phase 相位	Three Phase 3 Wire 三相三线														
Voltage 电压	200 or 380 or 400 or 415V or another 200V或380V或400V或415V或其它														
Voltage Range 电压范围	$\pm 10\%$														
Frequency 频率	47 ~ 63Hz														