

承认书

SPECIFICATION FOR APPROVAL Switching power Supply/开关电源

客 户:

CUSTOMER: A013

产品描述:

DESCRIPTION: Input: 100~240V AC 50/60Hz Output: 6VDC 0.5A

机种型号:

OUR MODEL NO: JF006WR-0600050V V

样品编号:

日期:

SAMPLE NO: JF1206

DATE: 2011-01-14

产品颜色:

SAMPLE COLOR: Black



White



APPROVAL SIGNATURE/客户确认		
核准/APPROVED BY	审核/CHECKED BY	检测/TESTED BY

Manufacturer/制造商		
业务/SALES	核准/APPROVED BY	设计/DESIGNED BY
陈帅 (EVA)		

Dong Guan JFEC Electronic Technical Product Inc.

东莞市九丰电子科技有限公司

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九丰电子科技有限公司
JFec Electronic Technical Product Inc.

型号/Our model: JF006WR-0600050V V

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版本目录/Rev. List			
版本/Rev.	日期/Date	描述/Description	制订/Design
A0	2011-01-14	新版本/New Rev.	叶洁

Table of contents

1、描述/ DESCRIPTION.....	3
2、输入特性/INPUT CHARACTERISTICS.....	3
3、输出特性/OUTPUT CHARACTERISTICS.....	4-5
4、保护功能/PROTECTION FUNCTION.....	5
5、环境要求/ENVIRONMENTAL REQUIREMET.....	5~6
6、安全及 EMI 要求/SAFETY AND EMC REQUIREMENT.....	6
7、结构参数/MECHANICAL REQUIREMENT.....	7
8、铭牌附图/LABEL.....	8
9、包装说明/PACKING.....	9
10、测试报告/ELECTRICAL TEST REPORT.....	10
11、安规证书/ SAFETY CERTIFICATE.....	11



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1、描述/ DESCRIPTION:

本规格书适应于 **JF006WR-0600050V V** 型号的开关电源.

The purpose of the document is to specify the functional requirements of a **3** W switching power supply.

2、输入特性/INPUT CHARACTERISTICS:

2.1 输入电压/Input Voltage:

额定电压/Rated Voltage: 100~240Vac

调整范围/Variation Range: 90-264Vac

2.2 输入频率/Input Frequency:

额定频率/ Rated Frequency: 50/60Hz.

调整频率/Variation Frequency: 47-63Hz

2.3 输入电流/Input Current:

当输入交流电压为额定值的下限电压负载满载时,最大输入交流电流 **0.2A**.

0.2Amps max At any input voltage and rated, DC output rated load.

2.4 浪涌电流/Inrush Current:

当输出为额定负载,环境温度为 25℃,输入 240Vac 冷态起机时的最大浪涌电流小于为 50A.

50 Amps Max. Cold start at 240Vac input, with rated load and 25℃ ambient.

2.5 AC 漏电流/Ac Leakage Current:

当输入电压 240Vac 时,最大漏电流为 0.25mA

0.25mA Max. At 240Vac input.



3、输出特性/OUTPUT CHARACTERISTICS:

3.1 输出功率/Power output

电压 Voltage	最小负载 Min. Load	额定负载 Rated. Load	峰值功率 Peak	输出功率 Output power
6Vdc	0.01A	0.5A		3W

3.2 负载特性,调整率/Combined Load/Line Regulation

电压 Voltage	最小负载 Min. Load	额定负载 Rated. Load	线性调整 Line Regulation	负载调整 Load Regulation
6Vdc	0.01A	0.5A	±3%	±5%

3.3 纹波和噪音 Ripple and Noise:

测试条件:在额定电压及额定负载条件下,使用示波器带宽为 20MHz 连接到充电器的输出端,同时输出端并联一个 47uF 的电解电容和一个 0.1uF 的瓷片电容.

Under nominal voltage and nominal load,the ripple and noise are as follows when measure with Max.Bandwidth of 20MHz and Parallel 47uF/0.1uF,crossed connected at testing point.

电压 Voltage	最大纹波/最大噪音 Ripple and Noise(Max.)
+6Vdc	120mV p-p

3.4 启动延迟时间/Turn on delay time:

当输入 115Vac 和输出最大负载时,最大启动时间为 2S.

2Second Max.at 115Vac input and output Max.load.

3.5 上升时间/Rise time:

当输入 115Vac 和输出最大负载时最大时间为 40 mS.

40 mS Max.at 115Vac input and output Max load.

3.6 保持时间/Hold up time:

当输入 115Vac 和输出最大负载时,最小保持时间为 5 mS .

5 mS Min.at 115Vac input and output Max.Load.

3.7 平均效率/Average Efficiency:

当输入 115Vac 和输出 100%Load、75%Load、50%Load、25%Load 负载时,平均效率最小 60%.

Average Efficiency 60% Min. at 115Vac input and output 100%Load、75%Load、50%Load、25%Load.

当输入 230Vac 和输出 100%Load、75%Load、50%Load、25%Load 负载时,平均效率最小 60%.

Average Efficiency 60% Min. at 230Vac input and output 100%Load、75%Load、50%Load、25%Load.



3.8 过冲/Overshoot:

在电源开启或关闭的时候,最大 15%.

15% Max. When power supply at turn on or turn off.

4、保护功能/PROTECTION FUNCTION:

4.1 短路电路保护/Short circuit protection:

该电源供给器在短路解除时能正常工作恢复.

The power supply will be auto recovered when short circuit faults remove.

4.2 过流保护/Over current Protection:

过流故障排除后,电源将自动恢复正常工作.

The power supply will be auto recovered when over current faults remove.

4.3 过压保护/Over Voltage Protection:

当输出电压超过额定电压的 **150%~180%** 时,电源将保护,故障排除后能恢复正常工作.

The power supply will auto recovered when faults remove **150%~180%**.

5、环境要求/ENVIRONMENTAL REQUIREMET:

5.1 工作温度/Operating Temperature:

0℃-40℃,满载,正常工作.

0℃ to 40℃, Full load, Normal operation.

5.2 储藏温度/Storage Temperature: -20℃ to 80℃

带外壳/With package

5.3 工作湿度/Relative Humidity:

5%(0℃)~90%(40℃), 72 小时, 满载, 正常工作.

5%(0℃)~90%(40℃) RH, 72Hrs, Full load, Normal operating.

5.4 振动/Vibration:

1. 测试标准: 国际电工电子委员会

Operating: IEC 721-3-3 3M3

5~9Hz, A=1.5mm

加速度(9~200Hz, Acceleration 5m/S²)

2. 运输/Transportation:

IEC 721-3-2 2M2

5-9Hz, A=3.5mm

9~200Hz, 加速度 Acceleration=5m/S²



200~500Hz, 加速度 Acceleration=15m/S²

3. 轴向振动/Axes, 10 cycles per axis.

在测试过程中不能出现永久性的损坏.

No permanent damage may occur during testing.

在电源开启和关闭后, 样机能够恢复到最初条件.

The SAMPLE has to restore to its original situation after power off/on..

5.5 跌落试验/Dropping Packed:

一个角, 三个棱, 六个面.

1 corner, 3 edges, and 6 surfaces

高度 76cm/Height: 76cm.

6、安全及 EMI 要求/SAFETY AND EMI REQUIREMENT:

6.1 安全: 符合标准 EN 60950.

Safety: accord with EN 60950.

6.2 高压/DIELECTRIC STRENGTH Hi-Pot:

初级对次级/Primary to secondary: 4242VDC/10mA/60S for type test,

4242VDC/10mA/2S for production.

6.3 绝缘抗阻/Insulation resistance:

初级对次级/Primary to secondary: 10M Ω min at 500V DC.

6.4 EMI 标准/EMI STANDARD

Meets the Limits of/测试符合

<1>.Fcc class B rules

<2>.EN55022 class B rules

<3>.GB9254-1998, GB17625.1-2003



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型号/Our model: JF006WR-0600050VV

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样品编号/SAMPLE No: JF1206

7、结构参数/MECHANICAL REQUIREMENT:

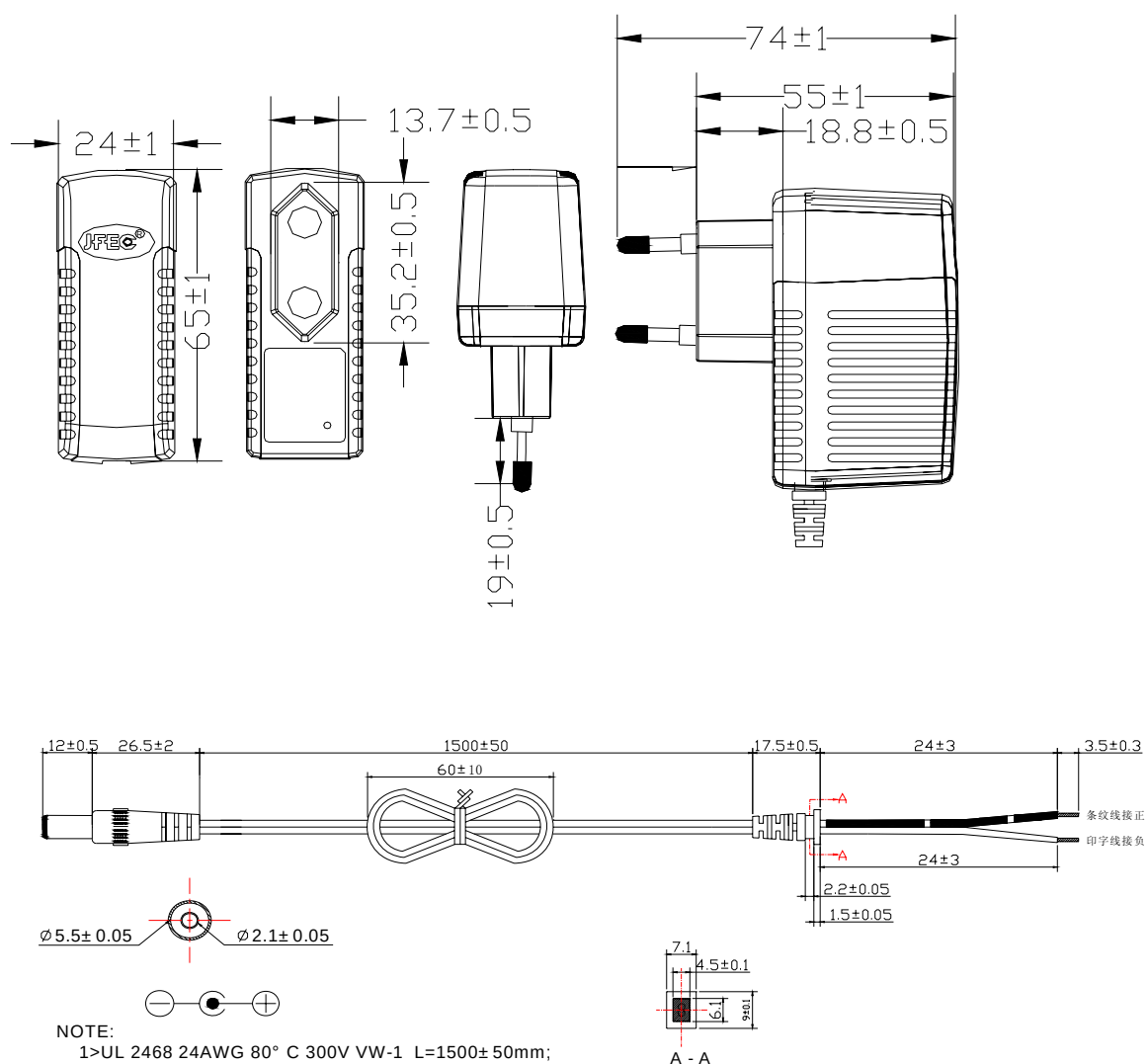
7.1 外壳/Enclosure:

外壳尺寸:

The power supply size:

7.2 输入线/Input Connector:

2 Pin GS 插脚/Two pin input plug of GS





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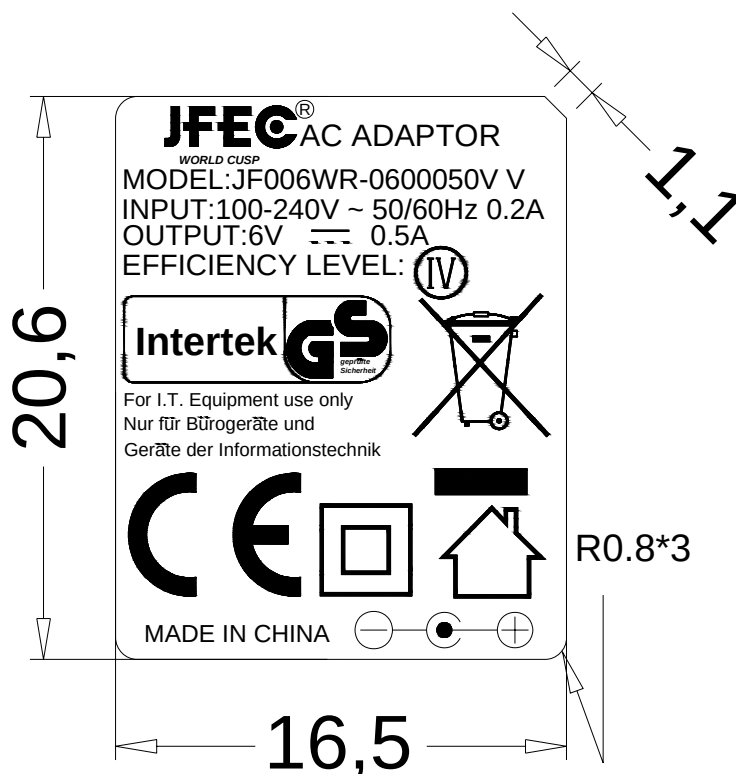
型号/Our model: JF006WR-0600050VV

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8、铭牌/LABEL:



NOTE:

- 1.材质商标/Trademark: Various, 黑底白字, 雾面/
Black ground white character, Various, fog surface;
- 2.厚度/Thickness: 0.2mmT;
- 3.误差/Tolerance: +0/-0.2mm;
- 4.环保/RoHS.



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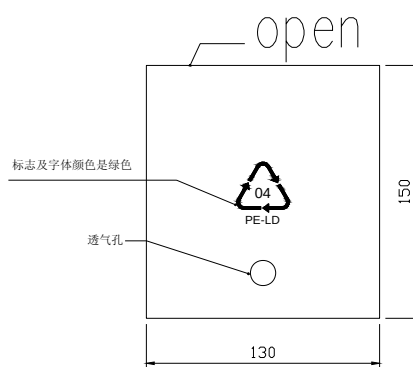
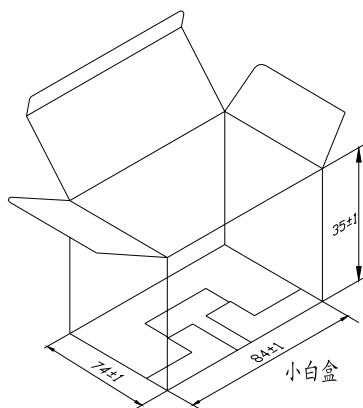
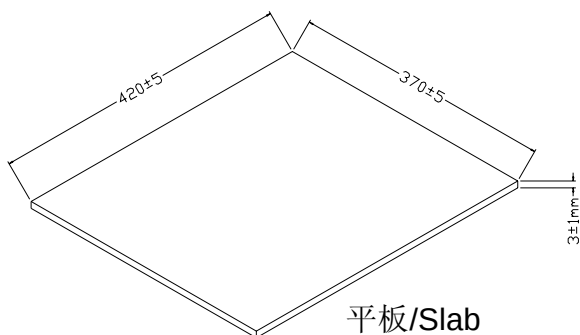
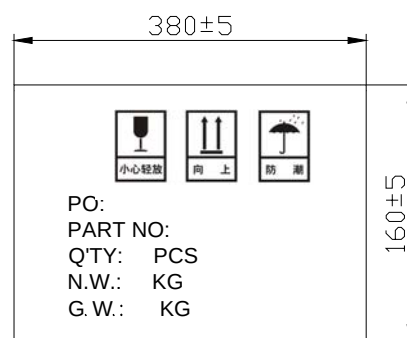
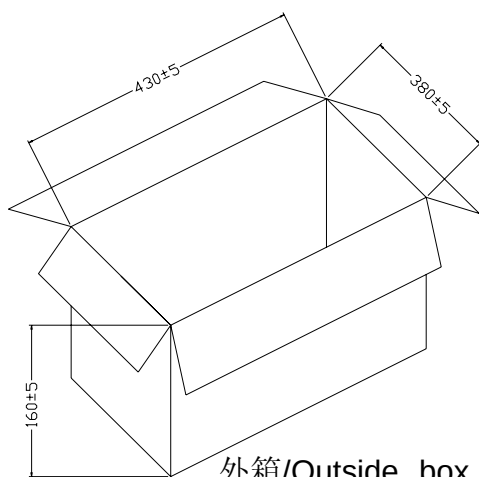
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9、包装说明/PACKING:



PE胶袋: PE150*130*0.03mm;

包材/Packaging:

小白盒/Small white box: L84*W74*H35mm, 350g;

外箱内径/Outside box: L430*W380*H160mm, A=A;

平板/Slab: L420*W370*3mmT, B33;

数量/Quantity: 100PCS/CTN

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10、 测试报告/ELECTRICAL TEST REPORT:										
No 序号	Test item 测试项目	Test condition 测试条件	Standard spec 标准规格	Test data 测试数据					Unit 单位	Judge 判定
				1	2	3	4	5		Pass/ Fail
1	Output Voltage 输出电压	Vin100Vac 60Hz Io=0 输入 100Vac 空载	±5%						V	Pass
2	Output Voltage 输出电压	Vin100Vac 60Hz Io=Rated Current 输入 100Vac 60Hz 额定电流	±5%						V	Pass
3	Average Efficiency 平均效率	Vin 115Vac 60Hz 输入 115Vac 60Hz	60%						%	Pass
4	Ripple&Noise mVp-p 纹波&杂讯	Vin100Vac 60Hz Full load 输入 100Vac 60Hz 满载	120mVp-p						mVp-p	Pass
5	Line Regulation 线性调整率	Vin=100V~240V Io=Rated Current 额定电流	±3%	0.0%	0.0%					Pass
6	Standby Power 待机功耗	Vin 115Vac 60Hz Io=0 输入 115Vac 60Hz	0.3W max						W	Pass
7	Short 短路	Vin100Vac 60Hz 输入 100Vac 空载	No odor smoke fire plastic deformation and excessive heat happen. 无冒烟,起火,外壳变 形及过热现象	OK	OK					Pass
8	Output Voltage 输出电压	Vin240Vac 50Hz Io=0 输入 240Vac 空载	±5%						V	Pass
9	Output Voltage 输出电压	Vin240Vac 50Hz Io=Rated Current 输入 240Vac 60Hz 额定电流	±5%						V	Pass
10	Average Efficiency 平均效率	Vin230Vac 50Hz 输入 230Vac 50Hz	60%						%	Pass
11	Ripple & Noise mVp-p 纹波&杂讯	Vin240Vac 50Hz Full load 输入 240Vac 50Hz 额定电流	120mVp-p						mVp-p	Pass
12	Line Regulation 线性调整率	Vin=100V~240V Io=Rated Current 输入 100V~240V	±3%	0.0%	0.0%					Pass
13	Standby Power 待机功耗	Vin230Vac 50Hz Io=0 输入 230V 50Hz	0.3W max							Pass
14	Short 短路	Vin240Vac 50Hz 输入 240Vac 50Hz	No odor smoke fire plastic deformation and excessive heat happen. 无冒烟,起火,外壳变 形及过热现象	OK	OK					Pass
15	Hi-ot test 高压测试	4242VDC/10mA/60S Between Input and output test 4242VDC/10mA/60S 输入对输出		OK	OK					Pass
16	Burn in 老化	Input:220Vac/50Hz Full Load 4hrs 输入 220Vac/50Hz 满载 4 小时		OK	OK					Pass
17	Drop test 跌落	Heigh:1m Three*faces(onceon each plane) 高 1 米,3 个面,每面 1 次.		OK	OK					Pass
REMARK 备注										

Certificate



Prüfbescheinigung nach dem Geräte- und Produktsicherheitsgesetz

Test Certificate in compliance with the Equipment and Product Safety Law

Bescheinigungs-Nr. (Certificate No.): 10GZO0448-01

Das Produkt entspricht den Anforderungen des Geräte- und Produktsicherheitsgesetzes (GPSG) § 7 Abs. 1 Satz 2 hinsichtlich der Gewährleistung von Sicherheit und Gesundheit und entspricht den derzeit anerkannten Regeln der Technik.

(The product is in compliance with the judicial requirements of the Equipment and Product Safety Law (GPSG) §7 Art. 1 sentence 2 and the currently accepted rules of technology.)

Bescheinigungsinhaber (Certificate Holder)

JFEC Electronic Technical Product Inc.
No. 18, Minye Street, No. 178 Industrial Zone, Tangxia Town,
Dongguan City, Guangdong Province,
P. R. China

Markenname (Brandname)

JFEC

Fertigungsstätte (Manufacturing Site)

JFEC Electronic Technical Product Inc.
No. 18, Minye Street, No. 178 Industrial Zone, Tangxia Town,
Dongguan City, Guangdong Province,
P. R. China

Produkt (Product)

Steckernetzteil für IT-Geräte

Power supply (direct plug-in) for IT equipment (AC Adaptor)

Typbezeichnung (Type)

JF006WR-xxxxxyyywz

"xxxx" beschreibt die Ausgangs-Spannung: z.B. 0300=3Vdc, 2400=24Vdc

"yyy" beschreibt den Ausgangs-Strom: z.B. 001=0,01A, 150=1,5A

"w" beschreibt den integrierten Stecker "V" oder "B": V=European plug, B=British plug; "z" beschreibt die Gehäuseform und kann "V", "H", oder "U" sein. V für vertikales Gehäuse, DC Anschluss; H für horizontales Gehäuse, DC Anschluss; U für vertikales Gehäuse, USB Anschluss.

Jeder Stecker kann 3 Gehäuseformen haben, ausgenommen der UK Stecker, der nur für das horizontale Gehäuse gebaut wird.

("xxxx" denote output voltage: e.g. 0300=3Vdc, 2400=24Vdc

"yyy" denote output current: e.g. 001=0,01A, 150=1,5A

"w" denote the integral plug "V" or "B": e.g. V=European plug, B=British plug

"z" denote the shape of different cases, which can be "V", "H", or "U". V for vertical case, DC cord; H for horizontal case, DC cord; U for vertical case, USB connector. Each plug has three case type, except for UK because they only have horizontal shape of case.)

Beschreibung (Description)

Eingang (Input): 100-240V~, 50/60Hz, 0,2A, Schutzklasse II (Class II)

Ausgang (Output): 3-24Vdc, 0,01-1,5A, Max. 7,5VA

Prüfbericht-Nr. (Test Report No.)

GZ10010482-2

Einzelheiten siehe Anhang (Details see attachment)

Geprüft nach (Tested according to)

EN 60950-1:2006+A11:09

Gültig bis (valid until)

2015-03-04

Erstellt am (Issued on)

2010-03-05



Intertek Deutschland GmbH
Dipl.-Ing. Klaus-Jürgen Herrmann

Dem Zertifikat liegen die Allgemeinen Geschäftsbedingungen der Intertek Deutschland GmbH zu Grunde. Bitte beachten Sie die umseitigen Hinweise.
The General Business Conditions of Intertek Deutschland GmbH is an integral part of this certificate. Please also refer to the information overleaf.

Intertek Deutschland GmbH, Max-Eyth-Str. 14, 70771 Leinfelden-Echterdingen

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