CHN 使用说明书

OMRON Corporation

警告标识的含义

△注意

若操作不当的话有可能发生轻中度伤害或设备损

⚠ 注意	
 可能会引起触电、起火或产品损坏。严禁拆分、 改造、修理本产品或触摸产品内部。 	1
 可能会引起烫伤。通电中或切断电源后请不要马上 接触电源本体。 	
 可能会导致意外点火。请将终端螺钉拧紧至规定的 扭矩9.6in-lb(1.08N•m)。 	0
 可能会引起触电。通电中严禁触摸端子,配线后需 关闭端子盖。通电时,本体内部电压最大为370V。 切断电源后30秒内会残留此电压。 	A
可能会引起触电、起火或产品损坏。安装过程中, 严林令属臣 导体 本子或前刀进入太产品	\wedge

CHN 安装使用要求

- 超过3个月时,请在温度为-25°C~+30°C,相对湿度为25-70%的环境
- 保管。 安装状态不同出现的散热不良会导致内部元器件性能恶化或损坏。 预报监视功能也可能无法正常工作。所以在没有确定产品正确安装的

要在日光直射的场所下使用本产品。 将本产品置于潮湿及腐蚀性的液体或气体的环境下。

:(rr = 14% 49)。 | 断路器装置可能会产生振动,本产品应置于尽可能远离噪音源的地方以

避免冲击或接动。 如果在电子操师或电漏过高的地方使用电源,请确保使电源与噪声来源保持 尽可能远的距离。 如果散热不利,本产品内部元器件性能可能恶化或损坏,所以请不要擅自拧

□ 请连接地线,确保接地端子处于安全使用状态。如果没有接地线,可能会有

触电危险或发生故障。 有可能引起轻微的者火。请确认输入输出端子的正确配线。 为了防止电源连接导线在过载时发烟起火等观象的发生,请选用以下材料作

终端	- 10 전号	推荐使用线径
自入	S8VS-000240000-0	AWG14~20 (横截面积0.517~2.081mm²)
能出	S8VS-06024	AWG14~20 (模裁面积0.517~2.081mm²)
	S8VS-09024	AWG14~20 (模裁面积0.517~2.081mm²)
	S8VS-12024	AWG14~18(模截面积0.823~2.081mm²)
	S8VS-18024	AWG14~16 (模裁面积1.309~2.081mm²)
	S8VS-24024	AWG14 (横截面积2.081mm²)
學报输出终端	S8VS-000240000-0	AWG18-28 (模截面积0.081-0.823mm²)
		(电线绝缘层剥出: 9~10mm)
表地终端	S8VS-000240000-0	AWG14或更大 (2.081mm ² 或更大)
俞 入、输出、接地终端	S8VS-000240000-F	电线绝缘层测出: 11mm

图入、整形、模型制 [8895-17241111+1 [2015-27-3-3]
4、展開新中的,前不要用1000以上的力夫按而第十分。
5、建电前,请确定加工对电流在产油上加加间模已达被取下。
6、代展第8975-111241111-17-3 每个南于增加入的竞赛不受超过一条。
至10
7、代展第8975-11241111-17-3 即来投资插入不利的资源不受超过一条。
20
11 元 (从图第895-11241111-17-3 前收收定到的电线检查设定。在另十口服务力之类的 加快、起火或改备效率,前收收定到的电线检查设定,在另十口服务力之类的 工具插入工具插入用的同时消化中或发布音子的概念使。然实线出工具。 杨起之后,检查电线是否己平周绝还接至端子块,不要等电线插入线工具体

(2) 排血止低阿整 1.输出电压调节旋钮(V.ADJ)可能会被损坏。所以请勿施加不必要的外力。 2.请确保在测整输出电压后,输出功率和输出电流不会超过额定值。 (4)有美详情,请参阅产品目录。

CHN 使用时的注意事项

以下使用用途时,与本公司营业人员商谈、认真确认规格书的同时,需确保 额定、性能上保有余量。或采取利用安全电路等安全对策,使发生故障时, 格险障碍损低。 a) 不在整外、有潜在化学污染或电气辐射环境下、在与目录、使用说明书中要

6) 介在室外、有潜在化宁污染或电飞辐射外吸上、在与目录、使用说明时中要来不得的条件、按照下槽。 证如下的线管位置。类块设施、转次下车精度线。 医用器械、娱乐器械、安全。 5) 对信息设施。 建设度等。 "然后"在地址设的"农金"。 5) 对生态、制产的影响的系统。 整张、装置。 6) 大些气、自来水管道、电力供给系统及24小时连续运转系统等需要较高信赖 性的系统。

OMRON

MODEL S8VS

SWITCHING POWER SUPPLY

EN INSTRUCTION MANUAL

Thank you for purchasing the S8VS.
This Instruction Manual describes the functions, performance, and application methods required to use the S8VS.

application methods required to use the S8VS.

*Make sure that a specialist with electric knowledge operates the S8VS.

*Read and understand this Instruction Manual, and use the product with enough understanding.

Keep this Instruction Manual close at hand and use it for reference during

operation.
When using S8VS-0024A00/S8VS-0024B00/
S8VS-0024BE0-0, read the "S8VS Operation Manual" together without fail.

OMRON Corporation

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(Fig.5)

Key to Warning Symbols

⚠ CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or in property damage.

Warning Symbols

- Minor electric shock, fire, or Product failure may occasionally occur. Do not disassemble, modify, or repair the Product or touch the interior of the Product. ◬
- Minor burns may occasionally occur. Do not touch the Product while power is being supplied or immediately after power is turned OFF. The ignition may accidentally be caused. Tighten terminal screv to a specified torque 9.6in-lb(1.08N•m).
- Minor injury due to electric shock may occasionally occur. Do not touch the terminals while power is being supplied. Always close the terminal cover after wiring. Working voltage can be 370 max. inside. This voltage can be also available 30s after the switch off.
- Minor electric shock, fire, or Product failure may occasionally occur. Do not allow any pieces of metal or conductors or any clippings or cuttings resulting from installation work to enter the Product.

888

N 1875-2401

EN Precautions for Safe Use

- Store the product with ambient temperature: 25 to 90%.
 25 to 90%.
 (Only for S8VS-00224A0-0) To maintain the function of the Maintenance forecast monitor function during storage over an extended period of time, satisfy th

 - 2. (Only for SSVS-LTL2A4LTLS.) I or maintain the function or the Namirenau-vertices attended in Lincinch during storage over an extended period of time, satisfy the conceast monitor function during storage over an extended period of time, satisfy the SVS with the storage period exceeds three months.

 3. The internal parts may occasionally deteriorate and be broken due to adverse hear tradiation depending on the mounting status. The maintenance forecast monitor function may not work correctly. Do not use the product in any way other than the contract of the status of th

 - - connectedcompletely.

 The light ignition may possibly be caused. Ensure that input and output termi are wired correctly.

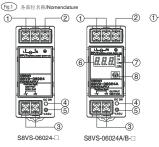
Terminal	Model	Recommend Wire Type	
Input	\$8V\$-1112401110-0	AWG14 to 20(Cross section 0.517 to 2.081mm²)	
Output	S8VS-06024□-□	AWG14 to 20(Cross section 0.517 to 2.081mm²)	
	S8VS-09024	AWG14 to 20(Cross section 0.517 to 2.081mm²)	
	S8VS-12024	AWG14 to 18(Cross section 0.823 to 2.081mm²)	
	S8VS-180240000-0	AWG14 to 16(Cross section 1.309 to 2.081mm²)	
	S8VS-240240000-0	AWG14 (Cross section 2.081mm²)	
Alarm output terminal	S8VS-1112401110-0	AWG18 to 28(Cross section 0.081 - 0.823mm²)	
	l	(wires to be stripped: 9-10mm)	
Ground terminal	S8VS-00024000000	AWG14 or more(2.081mm² or more)	
Input.Output.Ground terminal	\$8V\$-0002400000-F	wires to be stripped: 11mm	

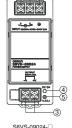
- 4. Do not apply more than 75N force to the terminal block when tightening it.
 5. Be sure to remove the sheet covering the product for machining before power-or
 6. (Only for S8VS-000240000000):

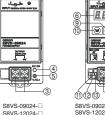
 Do not insert more than one line for each

EN Suitability for Use

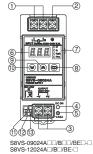
(Fig.)



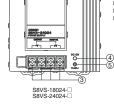




-(2)







(2)



S8VS-18024A□/B□/BE-□ S8VS-24024A□/B□/BE-□

EN Precautions for Correct Use

0

A

⚠

(D)

1000

L-⑦	②相面电压两整股机(V.ALG) ②主要显示 ②模式键 ③上调键 ⑤上调键
8	①警报输出端子: 不足电压检出输出端 ②警报输出端子: 更换时间提示输出端 (只有S8VS-□□□2x 工作时间累计输出端
	(只有S8VS-□□□24 (沒有S8VS-□□□24 (沒會报输出共用場子(⑪-‹② 仅限S8VS -06024A/B-□除外)
-	EN Nomen
-4 -5	① Input terminal (The fuse is located on the For DC Input, (L) side mustbe (+)) Note: DC input is out of the scope of safety star ② Ground terminal (⊕) ③ DC output terminal (-V), (+V) ④ Output indicator (DC ON: green) ③ Output voltage adjuster (V. ADJ) ⑤ Main display unit 7 Operation display unit

EN Safety standards

2. 过电压 category III。 3. 这个设备为的护照部1

3K3: 根据 EN50178 (=VDE0160) 过电压 category II -: 符合 UL60950-1 和 EN60950-1

CHN 安全规格

clature (L) side

■Overload Protection
The load and the power supply are automatically protected from overcurrent damage by this function.
Overload protection is activated if the output current rises above 105% of the steed overage.

Notes:

If the power supply has been short-circuited or supplied with an overcurrent longer than 20 seconds, the internal parts of the power supply may cocasionally be deteriorated or dramaged.

2. The internal parts may possibly be deteriorated or dramaged. Do not use the product for applications where the load causes frequent incush current and overload.

■Alarm Output
(Only for S8VS-□□24A□2/B□-□, except for -06024A/B-□)
Transistor Output:

Note:
For the undervoltage alarm function, maintenance forecast monitor function, and total run time monitor function, refer to the "SBVS Operation Manuar".

Ilm Case there is No Output Voltage
The possible cause for no output voltage may be the presence of an overload or overvoltage condition, or may be due to the functioning of an latching protective device. The latching protection may operate if a large amount of surge voltage such as a lightening surge occurs while turning on the power supply. In case there is no output voltage, please check the following points before contracting us:

contacting us:

Check the Overload Protected Status:

Check whether the load is in overload status or is short-circuited. Remove wires to load when checking.

*Attempt to clear the overvoltage or latching protection function: Turn the power supply of lone, and leave it off for at least 5 minutes. Then turn it on again to

and overload.

® Overvoltage Protection
This power supply automatically protects itself and the load from ove
Overvoltage protection is activated if the output voltage rises above
approx. 130% of the rated output voltage.

To reset the power supply, leave the power supply off for more than
3 minutes and then turn it on again.

Transistor Output:
Sink type (NPN type) (S8VS-_24A\B-\)
Source type (PNP type) (S8VS-_24A\B-\)
Source type (PNP type) (S8VS-_24AP\BP-\)
SoVDC max, 50mA max.
Residual voltage upon power-on: 2V or smaller.
Note:

(S8VS-0024A00-0, except for -06024A-0)
Total run time monitor output terminal (kh)
(S8VS-0024B-0-0, except for -06024B-0)

Overvoltage category II.

According to ENS0178 (=
Overvoltage category II.

According to UL60950-1 a
ENS0950-1.

S8VS-24024

CSA Level 5
Other S8VS-24024

CHN 正确的使用方法

安装方向 标准安装

不可以

- Fig.4
- 装空间 了保持安装产品的长期信赖性,请注意散热。 品采用空气自然对流散热方式,安装时请使电源周围的空气流通。

- ■降额曲线 侧面安装型(形S82Y-VS10S)右侧安装时(-24024□□□-□除外)
- E: 萨黎出現问題时,请在强制空冷下使用。 周围温度是在电源安装位置以下50mm处测得。 上下安装空间不满75mm时,每少于5mm,降颠曲线€型3高降低1°C。 (载小空间为25mm。)
- 输入电压
- 『电压: ⊷240 VAC(允许范围: 85~264 VAC、80~370 VDC)

- 关连接、输出电压(±) ₹2台电源,产生输出(±)的效果。 Fig.6 Fig.7

负荷短路时,电源内部会发生逆电压。为了防止由此产生的电源恶化· 被损,请如图连接二极管。 肖特基二极管

种类 耐压 (VRRM) 順方向电流 (IF) 额定输出电压的2倍及以上 额定输出电流的2倍及以上

可对不同規格进行串联,但需确保流入负荷的电流小于两者中额定输出电流 胶小的额定输出电流。 F联运行 5设计不适用于并联工作。如遇过热情况,内部零件有可能会损坏。

面以17-26.72 // **

如果在电压不足警报功能的检测电压处于出厂设定时将输出电压设定 力低于20V,则含酸消洗功能。(只有58VS-III 24AII)周II 74BII 1 请确保预整后的船出营强、输出电流低于频设验制产营强、频设输出电流 通过 VADV(⑤)的调节、输出电压可能增加到允许但压剂限之外。 所以调整输出电压时,请确认电路等输出电压界加上或能增加级

- ■耐电压实验 3000VAC于 < 所有输入端子① > 和 < 所有输出端子 ③ , ① , ⑫ , ⑫ > 之间持续1分钟 实验时,耐电压测试装置的切断电流设置为 20mA。

 - 注: 1.突然加载 3000VAC高压可能产生电压冲击而损坏电源。 请缓慢增加/减小实验电压。 2.实验时请短接所有输出端子和alarm输出端子以避免电源受损。
 - ■绝缘电阻实验 实验采用直流500VDC欧姆表。
 - . 验时,短接所有输出端子以避免电源受损。
 - 过载保护 功能可以自动保护负载和电源免受过电流的损害。 果负载超过额定值的105%,过载保护开开始工作。 输出电流回到额定值范围以内时,过载保护自动取消。
 - : 如果在电源短路或过电流状态下持续运行,电源内部元器件性能可能恶化或
 - 撥体。请不要连续超过20s以上。 2.电源内部元器骨柱能可能恶化或损坏。不要在过载或输出侧浪涌电流频繁发生 的情况下使用该产品。
 - 电源能够自动保护自身及负载免受过电压的损害。 现象的自动保护自身及负载免受过电压的损害。 现象由电压超过额定输出电压约130%以上时,过电压保护开始工作。
 - 。 回果要让电源复位,请先将电源输入切断并放置**3**分钟以上,然后再 意新开启电源。

: 重新开启电源之前,请确保引起过电压的原因已被排除。 (Fig.9) (Fig.10)

t: 长于不足电压检出功能、更换时间提示功能、工作时间累计功能请阅读 《操作说明》。

《操作观明》。 學與天海衛出电压 导致无能由电压的原因可能是处于过载或过电压保护状态。或是闩锁保护 功能误念。当在参上能加诸南雷击等很大的滚涌电压时,闩锁保护功能 可能投入工作。 如果电器设有输出。请在与数公司联系之前先检查以下2点。

■补充说明:安全规格对应(IEC/EN规格对应)

tt: 本产品为Class A。在住所、商业或轻工业环境下使用可能会产生辐射, 请以上环境中的使用者做好防辐射对策。

阵额曲线/Derating Curve

■Mounting

•Mounting Direction			
Standard Mounting	(Fig.2)	Valid	
Horizontal Mounting	Fig.3	Invalid	
Others Mounting		Invalid	

Mounting Space install the power supply so that the air flow circulates around the power supply as the three power supply as the power supply as the power supply is designed to radiate heat by means of natural air flow.

*1 Direction of air circulation
*2 75 (min) or more
*4 20 (min) or more
*4 20 (min) or more (Fin 4)

■Input Voltage Tolerance Rating: 100 to 240 VAC (allowable range: 85 to 264 VAC, 80 to 370 VDC)

Note:
The applicable range of EU directives and various safety standards (UL, EN, others) is 100 to 240 VAC (85 to 264 VAC).
For UL508 only, the rating is 100-240VAC.

■ Parallel Operation
The product is not designed for parallel operation. The internal parts may occasionally be broken due to excessive heat.

ocasionally be broken due to excessive heat.

©Output Voltage Adjustment
Default Setting: Set at the rated voltage
Adjustable Range: Adjustable with "V.ADJ" (5) on the front surface of the
product from -15% to +15% of the rated output voltage, (except for
SSV-0002ELLI S-C)
Turning clockwise increases the output voltage, and turning counterclock

If output voltage is set under 20V when detection voltage of the undervo-alarm function is factory setting, the function may be activated. (Only for S8VS-0024A00/B00/BE0-0) aiarm function is factory setting, the function may be activated. (Only for SeVS—"L244".")BL"."]BE** Be** be yound the allowable voltage range whe "V.ADJ" (S) operation is performed. When adjusting the output voltage, check the output voltage of the power supply and be sure that the load is not destroyed.

■Dielectric Strength Test Rated dielectric strength: nated of beliefcitic sterilight. 3000VAC between <input terminals ① together > and <output terminals ③, ①, ②, ③ together > for 1 minute.
When testing, set the cutoff current for the withstand voltage test device to 20mA







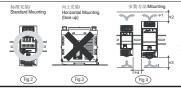
■ Contact address ION Corporation koji Horikawa, Shimogyo-ku, kyoto, 600-8530 Japan OMRON Europe B.V. Wegalaan 67-69, 2132 JD Hoofddorp, The Netherlands

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台南營業所 雷 話: 886-6-2903797



(Fig.5) (Fig.6) ■ 技术咨询 = 800免费技术咨询电话: 800-820-4535 (仅限于中国大陆)

■联系方式



Fig.9 S8VS-0024AU/BD-F Fig.10 S8VS-0024APU/BPD-F

Notes:

1. Sudden switching of 3000VAC may possibly cause a voltage surge, damaging the power supply, Increase/decrease test voltage gradual 2. Be sure to short-cruit all the output terminals and the Alarm output of the power supply to protect the power supply from damage.

Illinulation Resistance Test When testing the insulation resistance of the power supply, use a DC ohmmeter at SouVDC. see if this clears the condition.

Conformance to EU Directives
Refer to the catalogue and this instruction manual for details on the operating condition for EMC-compliance. environment it may cause radio interierence. This product is not intended installed in a residential environment; in a commercial and light industrial environment with connection to the public mains supply, the user may be required to take adequate measures to reduce interference. of the power supply to protect the power supply from damage.

给出电压(±)/Output Voltage(±)

并联运行/Parallel Operati

(Fig.8)

(Fig.7) ■制造单位 欧姆龙(上海)有限公司

OMRON

型 S8VS 开关电源

CHN

操作说明

感谢购买使用欧姆龙产品。 为了安全、正确使用本产品,使用前请认真阅读、 理解《操作说明》,阅读后请放在身边,便于需 要时使用。

阅读时请结合《S8VS使用说明书》。

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> 更换时间提示功能(显示•输出) (仅限S8VS-□□□24A□□-□)

电源内置有电解电容。 电解电容从生产成品(※2)开始,其电解液就会逐渐渗 透密封橡胶,随时间增长渐渐挥发,从而产生以静电容

返密對橡胶、跑时川型卡耐耐拌及,从川广生以即电谷量減少(※3)为主的特性整化。 由于电解电容特性恶化,电源经过一段时间后便不能发挥 出預期的性能。更换时间提示功能可以显示随电容电解特 性恶化,电源还能没挥预期性能的预计时间。另外。达到 设定值时,会提示并输出警报。 可利用此功能来预计电源本体的更换时间。 注:

注: 更换时间提示功能只提示由于电解电容恶化引起的电源性 能不能发挥的预计时间,不包括由其他原因引起的故障。

■动作原理 电解电容的恶化速度与周围温度密切相关。(一般为10°C时 候的2倍、递照阿伦尼乌斯法则)。仅限 SøVS-□□□244□□-□通过监测通电状态下电源的内部温度。

根据工作时间与内部温度计算出电解电容的恶化量,然后通过 显示与输出提示更换时间。

在 1. 由于电子产品的耐久性,无论更换时间提示与否,在购入

由于电子产品的耐久性,无论更换时间提示与否,在购入 15年后请赴行更换。
 更换时间会随着使用条件发生增减变化。请定期进行确认。
 由于更换时间的增减变化,有时输出会ON、OFF反复。
 交流输入ON/OFF的反复应用,有时会影响到更换时间提示功能的精度。

■北小 守棚出 购买时显示为FU (※4)。由于使用,随着电解电容恶化。 显示变为机F(※5)。 到距离更换不足2年时自动变为数字 显示(※6),并随着工作时间的增加逐步减少为 15、13、 35、03(年)。

5.5、26(年)。
当更换时间提示的设定值大于2年时,一旦距离更换剩余时间 低于设定值,自动变为数值显示。 剩余时间少于设定值L(0~5.0年间可任意设定)时,警报 (802)与剩余时间交替显示。 8085—□□□244□□□(-060244□除外)为晶体管 (②Ys) 输出,提示更换时间。(到达更换时间时OFF; 12-(3非导通)



注:
1. 剩余时间不包括非通电时间。
2. 工作时间累计达到约1个月前,由于推断恶化速度,显示固定为FUL,输出保持ON(②一③导通)。

■定期检查(S8VS-□□□24A□□/B□□□, -06024A/B-□除外)

设为运行模式。
 请确认输出(@Yrs/kh)为ON(@-@导通)

运行模式下, >(⑩)和豆(⑧)<u>同时连续按3</u>秒以上。 主显示部(⑥)变为802

#802显示中输出(⑫ Yrs/kh)如果为OFF(⑫-⑬ 非导通) 则正常。 4. 松开按键即返回通常状态。 注:定期检查中,直流输出不为OFF。

(Fig. 2) 电压不足检测机能/Unsdervoltage alarm function

MODEL **S8VS** SWITCHING POWER SUPPLY

OMRON

EN Operation Manual

Thank you for purchasing this OMRON product. This manual primarily describes precautions required in operating the power supply. Before operating the product, read this manual throughly to acquire sufficient knowledge of the product to use it safely and correctly. Keep this manual close at hand and use for reference during operation. Read the SBVS Instruction Manual together with this manual without fall.

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Maintenance Forecast Monitor Function (Indication and output) (Only for S8VS-DD24AD-D)

■What is "Maintenance Forecast Monitor Function"?

The power supply unit is equipped with electroytic capacitors.

The power supply unit is equipped with electroytic capacitors.

The electroytic inside the electroytic capacitor penetrates the sealing rubber and evaporates as time passes since it is manufactured, which causes deterioration of characteristics such as decreasing the capacitance (3), etc.

Due to this deterioration of the characteristics of the electroytic capacitor, the power supply unit decreases its performance as time passes.

The maintenance forecast monitor function shows an approximate period left for maintenance that the power supply forecasts reaches the set value, an alarm is indicated and an output signal is triggered.

Use this function to know the approximate replacement timing of the power supply unit.

Vole: THE MAINTENUNCE FORECAST MONITOR FUNCTION INDICATES NA APPROXIMATE PERIOD LEFT FOR MAINTENANCE, BASED ON DETERIORATION OF THE LECETROLYTIC CAPACITOR. IT DOES NOT PREDICT FAILURES CAUSED BY OTHER REASONS.

■Principle of operation
The deterioration speed of the electrolytic capacitor varies considerably
according to the ambient temperature, (Generally the speed follows "Rule of
Two for every 10°C"; for every 10°C increase in temperature the rate of
degradation doubles according to the Arhenius's equation.) The
SRVS—II 24AII—II only monitors the temperature inside the power supply
and calculates the mount of deterioration according to the unning house an
inside temperature, Judging by this amount of deterioration, the power supply
will give the alam indication and output when the period left for maintenance
reaches the set value.

reaches the set value.

Notes:

1.Due to degradation of internal electronic parts, replace the power supply at least once every 15 years even if indication and output of maintenance forecast monitor are not issued.

2.The maintenance forecast is accelerated or decelerated according to operating conditions, Periodically check indication.

3.The output nay turn ON and OFF alternately according to the acceleration or deceleration of Maintenance forecast.

3.The output may turn ON and OFF alternately according to the acceleration or deceleration of Maintenance forecast.

4.The accuracy of Maintenance forecast monitor may become worse in the application having frequent ONOPF for AC power.

■Indication and Output
When the product is purchased, "£U." (%4) will be indicated. As electrolytic capacitors deteriorate, indication changes to "£F." (%5). After the remaining time to maintenance is reduced to two years, indication automatically changes to a value (%6), which decreases from "15" to "£F" to "£



and or admit is seed.

The remaining time to maintenance is based on continuous operation, not including the time when the power supply is burned off, and so may take longer to reach than the actual time indicated.

Lord of the property o

1. Select the operation mode. 2.Check that the output (② Yrs / kh) is turned on (with continuity across ②

2_Lineot has the coupou of and \$\frac{1}{2}\$. She have operation mode, press and hold the \(\angle \)\(\begin{array}{c} \) and \$\equiv (\beta)\$ keys simultaneously for at least three seconds.

The main display (\beta) changes to *\beta 2^2*.

The main display (\beta) changes to *\beta 2^2*.

An inactive output (\beta \) ** Yet in (0 continuity across \$\beta\$ and \$\beta\$) in the *\beta 2^2* indication indicates the correct function.

Al Felease keys to return to the regular state,

Note: DC output stays ON while the periodical check.

Fig. 1) 各部位名称/Nomenclature

■部品名称与功能

7)动作

⑧模式键

9 上调键

⑩下调键

■模式切换

电源输入 形式表示 运转模式 返 按3f

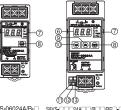


Fig.1

显示测量值或设定值。

输出电压显示中连续发光。 不足电压检出值设定中闪烁

A 输出电流显示中连续发光

Apk 峰值电流显示中连续发光

(S8VS-0024A00-0) 累计工作时间显示中连续发 累计工作时间值设定中闪烁

转为设定模式时或调高

转为设定模式时或调低 设定值时使用

☆ 或 ≫ 按3秒以上

设定模式

(⑦)的状态●连续发光

(S8VS-□□□24B□□/

→ 明暗交替闪烁

■运行模式 显示电源的各种状态。

8.8.8. [●] 输出

日.日.日. 常知出

日.8.5。 峰值电流

BED-D)

出厂时以输出电压显示状态启动。以后以 输入断路前的状态启动。

设定值时使用

S8VS-00024B00/BE0-0) 切换显示参数时或设定峰 电流值时使用

(Fig.3)

电压不足检测值 输出由压 Detection value of Undervoltage alar Output voltage 输出电压不足. Undervoltage output 运行模式/ Operation #0 (<=>\hat{k}=\hat{m} \text{neut} \nu \text{put} \nu \text{voltage} \nu \text{voltage} 主表示部位 @ 电压表示 Main display (6) Voltage indication mode

注:产品通电约3秒后动作开始/ Note: Operation begins after about 3 seconds since the AC power is supplied.

(Fig. 3) ×2

of capacitors

FUL HLF × 5 电容容量. Capacitance Main display 6

1.5 1.5≤T<2.0 1.0≦T<1.5 0≦T<0.5 设定值 0~2 年时/ In case of setting L

还剩余的替换时间, Remaining years to maintenance timing sbetween 0 and 2 years

L-0.5≤T<L

操作方法和功能

■设置模式 (S8VS-06024A/B-□ 除外) 显示电源的各种参数设定 输出电压下限值会交替显示

山何校定值 18.5~**₹370**-27.5(V 0.1V群本/* **8.8.8.** 常电压不足 0.0~05~5.0(年) 0.5年跳动/冰 **□.日.日.** ○ 替换时间提示 (SBVS-□□□

1. (⑨)或♥(⑩)连续按2秒以上, 设定值可以快进。
 2. S8VS-06024A/B-□没有设置模式。
 各种参数为出厂时的固定值。

■輸出电压・电流显示功能

监视、显示电源的输出电压和电流。

工. 本体通电约3秒后启动。

■峰值电流显示功能 记忆、显示输出电流的最大值。 与显示统式无关,输出电流的最大值一直

RATE OF THE STATE OF THE STATE

本体通电约**3**秒后启动。

□ 3秒以上 2秒以后

止. 峰值电流不能在设置模式下重置

■不足电压检出功能(显示・输出) 如果检出输出电压过低,警报(**RO**) 和 (S8VS-06024A/B-□固定为20.0V) S8VS-□□□24A□□/B□□-□

S8V9-□□□24A□□/B□□-□ (-06024A/B-□除外)通过晶体管 (⑪ DC LOW)输出提示异常。 (输出电压过低时OFF; ⑪~⑬非导通)

周.8.3. ♦ **3.8.8.** ♦ 输出电压设定值 在(19V)以下时有繁报输出

注:
1. 本体通电约3秒后启动。
2. 警报显示在设置模式下不能显示。
3. 输出电压过低恢复后,校应(图) 可解除智提显示。
4. 不是电压检出功能监视的是电源输出端;消潮量负荷潮的电压、确认正确的电压状态时,消潮量负荷潮的电压。
5. 即便交流输入20ms以上的断电复归。
不是电压检出功能可时仍能运作。
6. 启动时输出电流超过额定的情况下,
有时电压检出功能仍能运作。

■累计工作时间显示・警报输出

■累计工作时间显示・警报输出 (S8V5-□□24B□/|||>BIT-(FFI)|||-||| 累计工作时间显示地源工作时间的累计值 累计工作时间显过预定的警报设定值时, 警报8/862) 和累计工作时间会交替显示。 同时会通过晶体管(坚贴)输出。 (到达警报设定值时0FF,②-③非导通) 警报设定值时仓产设置核式下变更。 (图上)

在: 1. 累计工作时间不能重置。解除警报时, 请将警报设定值变更为大于累计工作 时间显示值的数值即可。 2. S8VS-06024B-□没有警报功能(设置、

自我诊断功能 ② OF ① OFF ★ (®)或 ¥ (®)核3秒。确认该处 设定值。返回出厂设置。 @ OFF 000 oF

显示、输出)。 3. 报警器输出功能不适用于

S8VS-DDD24BED-D

8.8.8. 8.8.8. 8.8.8. 更换时间提示成累计 工作时间警报设定值 的记忆异常 BBB BBB

·, £0*发生的原因, 主要考虑为外部有干扰侵入

2. Hot 发生的原因, 主要考虑为超过降额曲线条件下的使用、通风异常、安装方向

而读示。 3、Mok状态持续3小时以上时,更换时间提示功能无效。即使过热状态解除,更换时间提示显示仍持续显示为MokYrs输出(迎)持续为OFF(迎~③非导通)。即便能够正常直流输出,由于内部部品可能已经恶化,请更换本体。 4、只有SOVS-□□□24A□□□1有folt的给出功能。

Function isplay Indicates the measurement or set value Lights up during indication of maintenar forecast monitor. Blinks during setup of maintenance forecast monitor setting. (S8VS-024A0-0) (SSVS-III 24AII-II)
Lights up during indication of total run time monitor.
(SSVS-IIII 24BIII IVBEII 21)
Use the mode key to change the indicate parameter or reset the peak hold current (8) Mode key parameter or reset the peak hold currer value. Use the up key to change to the setting mode or to increase the set value.

1 Down key Use the down key to change to the mode or to decrease the set value. ■Mode Change

Power-ON Model indication

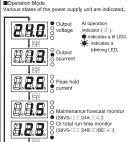
Press and hold ≈or ≈ for three seco

Operation mode)

Setting mode

□ Press and hold do for three seco

Or no key operation to 40 sec



Note: The output voltage will be displayed when the power supply is first turned on after it is received from the factory. Thereafter, the output voltage will be indicated in the same display when shutting down.

■Setting Mode (except for S8VS-06024A/B-□) Set various parameters of the power supply uni

Operation and Function The reverse video indicates the shipmen 18.5 - 20.0 - 27.5(V) **8.8.8.** Sundervoltage Maintenance of forecast monitor of (SaVS-11) of Or Total run time

L-0.5

Notes:

Press and hold \diamondsuit (③) or \diamondsuit (⑩) for two seconds the value rapidly. ness and note ≲(w) or ⊗(w) for two seconds or more to increase or decrease the value rapidly. The S8VS-06024A/B-□ is not provided with the setting mode and its parameters are fixed at the shipment setting.

■Output Voltage and Current Indication Function The output voltage and current of the power supply unit are monitored and indicated. Note: Operation begins after about 3 seconds since the AC power is supplied.

■Peak Hold Current Indication Function
The maximum output current is memorized and indi
The maximum output current is always updated
whatever the indication mode is. The peak hold
current is retained even if the AC power is turner

Peak hold value mea:

■undervoltage alarm Function (Indication and outp. When output voltage drop is detected, an alarm (80 and lowest output voltage value are indicated alternately. The preset value of detection voltage can be changed in the setting mode. (SBVS-06024A/B-½: The value of detection voltages is fixed at 20.0 at 10 and 10 a

across ① and ③)

In the case that the output voltage drops below the set value (19V) and an airm is issued

Notes:

1. Operation begins after about 3 seconds since the AC power is supplied.

2. The alam is not indicated in the setting mode.

3. Press the \$\exists\$ (\$\exists\$) after the output voltage is restored, to reset alarm indication nonlors the output terminal voltage of the power supply unit. To check the voltage accurately, measure the voltage actually in the output terminal colde of the power supply unit. To check the voltage accurately, measure the voltage at the load end.

5. Detecting function for undervoltage may be activated when AC power falls and recovers within 20 ms or more activated when the output current over the rated one is flown at the start.

one is flown at the start.

Total run time monitor Indication and Alarm

Output (\$98V\$<\table = 10 \text{L} = 10 \

Notes:

1. The total run time cannot be reset. To reset the alarm, increase the alarm set value beyond the value indicated as total run time.

2. The alarm function (setting, indication, and output is not provided for S8VS-06024B-1.

3. The alarm output function is not provided for S8VS-CIT24BET-1.

Self-diagnostic Function					
Main display	Description	Output state	Restoration method	Setting after restoration	
888	Noise detected in voltage or current	No change	Automatic restoration	No change	
8.8.8.	Overheated	Ø OFF	Automatic restoration	No change	
8.8.8.	Undervoltage alarm set value memory error	① OFF	Press and hold \otimes (@) or \otimes (@) for three seconds and check the set value	Shipment setting or	
888	Memory error of alarm set value of maintenance forecast monitor or total run time monitor	Ø off	of the corresponding point. The set value must return to the shipment setting	value set in the setting mode again	
8.8.8 .	Other memory error	⊕@off	Turn the AC input off then on again. If the product is not reset, contact the dealer.	No change	
Interior					

Colose:

| Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colose: | Colos