

1. 请确保在输出电压调整后,不要超过额定输出功率和额定输出电流。 为了消除过电压保护功能:

关闭输入电源,放置3分钟以上 S已被消除 检查+S引脚式_S引脚是否开路

Dielectric Strength Test ated dielectric s

Check whether the load is in overload status or is shorted. Remove viries to load when checking. • Attempt to Clear the Overvoltage Protection Function: Turn input power OFF and leave in OFF for at least 3 minutes. Then turn it ON again to see if this clears the condition. Check if the +S pin or –S pin is opened Check if the output voltage is adjusted to more than +20% of the ratedvalue with "V.ADJ"(§). • Check the Overheat Protected Status: Two OEF two input reverse and leave it OEF until the product node sufficiently. Turn it ON again



2194719-3F (Side-B)	CHN]各部位名称(CN)	EN Nomenclature (CN)
MODEL S8JX-P (300/600W) SWITCHING POWER SUPPLY	1: DC输出监视器引脚(+V) 7: 遥控引脚(+RC) 2: 遥控感应引脚(+S) 8: 遥控引脚(-RC) 3: DC输出监视器引脚(-V) 9: 无连接 4: 遥控感应引脚(-S) 10: 无连接 5: 电流平衡引脚(CB) 11: 报警输出引脚(ALMC) 6: 用于电流平衡的信号接地引脚(CBG) 12: 报警输出引脚(ALME) (发射器) 12: 报警输出引脚(ALME)	1: DC output monitor pin (+V) 7: Remote control pin (+RC) 2: Remote sensing pin (+S) 8: Remote control pin (-RC) 3: DC output monitor pin (-V) 9: No connect 4: Remote sensing pin (-S) 10: No connect 5: Current balance pin (CB) 11: Alarm output pin (ALMC) 6: Signal ground pin for Current balance (CBG) 12: Alarm output pin (ALME)
CHN 使用说明书 (2/2) EN INSTRUCTION MANUAL (2/2)	信号I/O连接器:作为标准附件提供。 短路: (1-2)、(3-4)和(7-8),出厂时安装至CN。	Signal I/O connector: Provided as a standard accessory. Shorted: $(1 - 2)$, $(3 - 4)$, and $(7 - 8)$ Mounted to CN at shipment.
请务必阅读S8JX-P使用说明书(1/2)以及本说明书。	注: 请不要将负载连接至DC输出监视器引脚(+V或–V)。	Note: Do not connect a load to the DC output monitor pins (+V or -V).
Read the S8JX-P Instruction Manual (1/2) together with this manual without fail.		
	CHN 使用注意	EN Precautions for Correct Use
信号I/O连接器 / Signal I/O connector	■ 升门 架IF 连接了CB引脚(CN上的引脚5)和CBG引脚(CN上的引脚6)时,电流平衡功能会工作并可以进行并行操作。 最多可以连接5个单元。 注:	When the CB pin (pin 5 on CN) and the CBG pin (pin 6 on CN) are connected, the current balance function operates and parallel operation is possible. Up to 5 Units can be connected.
信号I/O连接器 / Signal I/O connector 正面图 / Front view 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 □.使用2芯屏蔽电缆作为连接线(*6)。 1.使用2芯屏蔽电缆作为连接线(*6)。 2.将各个电源的输出电压调整为相同的值,相差在1%或100 mV之内,以较小者为准。并行操作期间,负载电流可能会过度流向任一电源并损坏内部元件。 3.并行操作用了增加静电电容。负载突然波动时,输出电压可能会下降。 4.并行操作期间,要升高输出电压的波形可能需要几步。 5.折下标配的连接器,并另外准备一个连接器。 6.连接了N单元时,与一个单元的xN电流相同的突流会流入。 请检查外部保险丝或断路器的特性,作出合适的选择,使突流不会导致保险丝熔断或断路器启动。 ■ 遥挖感应功能 (D1) (D1) (D2) (D2)<!--</th--><th> Up to 5 Units can be connected. Notes: 1. Use 2-conductor shielded cable as connection wire (* 6). 2. Adjust the output voltage of each power supply to the same value within 1% or 100 mV, whichever is smaller.During parallel operation, it is possible that the load current will flow excessively to either power supply and damage internal components. 3. Parallel operation, it is possible that the load current will flow excessively to either power supply and damage internal components. 3. Parallel operation, it is used to increase static capacity. Output voltage during parallel operation. 5. Remove the standard supplied connector and prepare a connector separately. 6. When N units are connected, a rush current qual to xN the current of one unit will flow. Check the characteristics of the external fuse or breaker and select appropriately so that the fuse does not blow or the breaker does not trip due to the rush current. I. Remote Sensing Function This function is used to compensate for voltage drops on the load lines.Connect the +S pin (pin 2 on CN) to the positive load terminal and the -S pin (pin 4 on CN) to the negative load terminal to enable remote sensing. When not using the remote sensing function, use the standard connector. The + S and +V pins (pin 1 on CN) and the - S and - V pins (pin 3 on CN) will be connected. Notes: 1. Use 2-conductor shielded cable as connection wire (* 7). 2. Use as thick a wire as possible since high voltage drops on the load lines (* 8) may activate the overvoltage protection function. 3. The total line voltage drop (+ side line and - side line) must be less than 0.3 V. </th>	 Up to 5 Units can be connected. Notes: 1. Use 2-conductor shielded cable as connection wire (* 6). 2. Adjust the output voltage of each power supply to the same value within 1% or 100 mV, whichever is smaller.During parallel operation, it is possible that the load current will flow excessively to either power supply and damage internal components. 3. Parallel operation, it is possible that the load current will flow excessively to either power supply and damage internal components. 3. Parallel operation, it is used to increase static capacity. Output voltage during parallel operation. 5. Remove the standard supplied connector and prepare a connector separately. 6. When N units are connected, a rush current qual to xN the current of one unit will flow. Check the characteristics of the external fuse or breaker and select appropriately so that the fuse does not blow or the breaker does not trip due to the rush current. I. Remote Sensing Function This function is used to compensate for voltage drops on the load lines.Connect the +S pin (pin 2 on CN) to the positive load terminal and the -S pin (pin 4 on CN) to the negative load terminal to enable remote sensing. When not using the remote sensing function, use the standard connector. The + S and +V pins (pin 1 on CN) and the - S and - V pins (pin 3 on CN) will be connected. Notes: 1. Use 2-conductor shielded cable as connection wire (* 7). 2. Use as thick a wire as possible since high voltage drops on the load lines (* 8) may activate the overvoltage protection function. 3. The total line voltage drop (+ side line and - side line) must be less than 0.3 V.
并行操作 / Parallel Operation	7.确保遥控感应引脚(+S,-S)没有开路。 ■ 遥控功能 在通过+RC引脚(CN上的引脚7)和-RC引脚(CN上的引脚8)施加输入电压时,该功能会使用外部信号来开启和关闭输出。	4. If the sensing line is too long, it is necessary to put an electrolytic capacitor across the load terminals. Please take note that the electrolytic capacitor may generate heat due to the ripple current, depending on connected load. Therefore, the electrolytic capacitor must have a ripple current allowance higher then the output ripple current.
AC (N) AC (N) SBJX CB CB CB CB CB CB CB CB CB CB	将一个开天或晶体管连接至4KC和-KC引脚,以使用遮捏功能。 不使用该功能时,会使用标准连接器来使+RC和-RC引脚短路。 □-RC的+RC电平 输出 内置风崩电机 短路或L(0到0.8V) 开启 旋转 开路或H(2.4到12V) 关闭 停止 最大输入电压:最大12V。 允许的最大发向电压:最大-1V。反向电流: 3.5mA 注: 1.使用2芯屏蔽电缆或双纹线电缆作为连接线。 2.遥控电路与电源的输入和输出电路分离。 3.拆下标配的连接器,并另外准备一个连接器。 4.如果对遥控引脚施加了反向电压,则不能开启/关闭输出电压。接线时请小心。 ■ 报警输出功能	Always connect the +S and –S pins. 6. Remove the standard supplied connector and prepare a connector separately. 7. Make sure the remote sensing pins (+S, –S) are not open. ■ Remote Control Function This function turns outputs ON and OFF using an external signal while input voltage is applied, using the +RC pin (pin 7 on CN) and the –RC pin (pin 8 on CN). Connect a switch or transistor to the +RC and –RC pins to use the remote control function. When not using this function, the +RC and –RC pins are shorted by using the standard connector. <u>+RC Level for –RC</u> Output Built-in Fan Motor Short or L (0 to 0.8V) ON Rotate Open or H (2.4 to 12V) OFF Stop The Maximum input voltage: 12V max. The Maximum allowable reverse voltage: –1V max. Sink Current: 3.5mA
遥控感应功能 / Remote sensing function	报警指示灯会呈红色亮起,以显示输出电压出错。还会通过晶体管从外部输出报警信号。 晶体管输出:最大30 VDC,最大50 mA.开启时的剩余电压:最大2 V,关闭时的泄漏电流:最大0.1 mA. 报警检测电压:约为输出电压设定的80% 如果检测到报警(没有电源至CN上的引脚11和12)和LED指示灯亮起(⑥: 红色)时,晶体管输出会关闭。 注: 1.该功能会监控电源输出端子上的电压。如要检测实际电压,请测量负载侧的电压。 2.拆下标配的连接器,并另外准备一个连接器。 ■ 峰值输出电流 (S8JX-P30024 □□□) 有关详情,请参见产品目录。 说明 1.不能允许峰值负载电流指续10秒钟以上,也不能允许负载循环超出图16中显示的条件。否则会损坏电源。 2.通行调整环境温度和安装方向来减少峰值负载电流的负载。 3.确保峰值电流一个循环的平均电流不会超过额定值。否则会损坏电源。	Notes: 1. Use 2-conductor shielded cable or twisted-pair cable as connection wire. 2. The remote control circuit is isolated from the input and output circuits of the power supply. 3. Remove the standard supplied connector and prepare a connector separately. 4. If a reverse voltage is applied to the remote control pin, output voltage ON/OFF will not be possible. Exercise caution when wiring. a Alarm output function The Power failure alarm indicator will light red to indicate an output voltage error if overload, overvoltage, or overheat protection is activated, if a drop in the input voltage causes the output voltage to drop, if the built-in fan motor stops, and during remote control standby. The alarm is also output externally by a transistor. Transistor output: 30 VDC max., 50 mA max. Residual voltage when ON: 2 V max, leakage current when OFF: 0.1 mA max. Alarm detection voltage: Approx. 80% of output voltage setting The transistor output is turned OFF if an alarm is detected (no power to pins 11 and 12 on CN), and the LED indicator is lit (⑤ : red). Notes: 1. This function monitors the voltage at the power supply output terminals. To check actual voltage, measure the voltage on the lond rade.
遥控功能 / Remote Control Function	(rg.to) ·t1≦10s ·lp≦ 额定峰值电流 ·lave≦额定电流 t1	The load side. 2.Remove the standard supplied connector and prepare a connector separately. Peak Output Current (Fig.16) (Fig.1
S8JX CN S8JX CN S8JX CN	Duty= 11+12 × 100[%] ≦ 35% (180~240VAC)	 (SolAP-50024 LLLL) / SolAP-60024 LLLL) / See product catalogue for details. Notes: 1. Do not allow the peak load current to continue for more than 10 seconds, and do not allow the duty cycle to exceed the conditions indicated in Fig. 16. This may damage the power supply. 2. Lessen the load of the peak load current by adjusting the ambient temperature and the mounting orientation. 3. Ensure that the average current of one cycle of the peak current does not exceed the rating. This may damage the power supply.
(Fig.14) 报警输出功能 / Alarm output function S8JX 《 ALME Vce max : DC30V	 ▲ 信号I/O连接器导线制造方法 该产品使用由JAPAN SOLDERLESS TERMINAL MFG CO LTD制造的PHD连接器。对于连接器的制造,需要满足以下规则。 1.适用的导线和卷边工具 适用尺寸的导线为UL1007(标准导线)及相同规格的标准导线。对于AWG#22,请使用UL1061或相同规格的标准导线,原因 在于UL1061的导线绝缘外直径较小。导线尺寸为AWG#26到AWG#22,绝缘外直径为ø1.0到ø1.5 mm。 卷边工具如下。 ▲ 检边工具 卷边器 模具 AP-K2 或 AP-KS MKS-L-10 或 MKS-LS-10 SPHD-001-05 2.卷边 线带的参考值为2.3mm。根据所用的导线将卷边器的刻度调整到合适的卷边高度。 	Fig. 15 •t1 ≤ 10s •lp ≤ Rated peak current •lave ≤ Rated current Duty = $\frac{t1}{t1+t2} \times 100[\%] \le 35\% (180 \sim 240 \text{VAC})$ [A] $\frac{1}{t1+t2} \times 100[\%] \le 35\% (180 \sim 240 \text{VAC})$ [A] $\frac{1}{t1+t2} \times 100[\%] = 25\% (180 \sim 240 \text{VAC})$
Crimp height (Conductor) 登边高度 (导体) Crimp ing conductor) 登边高度 (导体) Crimp height (Isolation)	養边高度表 导线尺寸 绝缘 O.D (mm) 卷边高度 (mm) UL1007 AWG26 1.3 0.60 到 0.70 1.7 UL1007 AWG24 1.5 0.65 到 0.75 1.8 UL1061 AWG22 1.4 0.70 到 0.80 1.8 注: 1.导线外圈的卷边高度应设为预订的参数。	■ Signal I/O Connector Harness Manufacture Method This product is using PHD connector made from JAPAN SOLDERLESS TERMINAL MFG CO LTD. Regarding to manufacture of a connector, it becomes the regulation as following. 1. Appricable Wire and Crimping tool Appreciable wire per barrel size is UL1007 (standard wire) and its equivalent standard wire can be used. Regarding the AWG#22, use UL1061 or its equivalent standard wire, because wire insulation outer diameter of UL1061 is small. Wire size is AWG#26 to AWG#22 and insulation outer dia is ø1.0 to ø1.5 mm. Crimping tool is as below. <u>Crimping tool Crimping applicator Dies</u> <u>AP-K2 or AP-KS MKS-L-10 or MKS-LS-10 SPHD-001-05</u>
	2.调整导线绝缘外圈的卷边高度,便得导线绝缘被稍微压紧,并且卷边不会过度。 3.始级外圈上的卷边各件加下(matrix)	2. Crimping The reference value of wire strip is 2.3mm. Addording to wire to be used, adjust dials of applicator to a proper grimp

