三代升级款数控升降压电源彩屏版

型号: ZK-SK90C

产品参数

产品名称:数控直流升降压电源 7 输入电压:6-36.00V 4 输出电流:0-5A 4 输出功率:90W 4 电压分辨率:0.01V 3 数据组存储:11组 7 屏幕尺寸:1.8寸升级大屏,36*29mm可视范围 4 转换效率:88%左右 7 产品尺寸:83x48x39.6mm。(高度不含旋转编码器) 产品重量:净重101g,含包装重121g **保护机制:** 输入防反接: 有 输出防倒灌:有

产品型号: ZK-SK90C 输出电压: 0.5-36.00V 输出电压精度: ±0.3% +3个字(可校准) 输出电流精度: ±0.5% +3个字(可校准) 电流分辨率: 0.001A 硅胶按键: 5个 蜂鸣器: 有 软启动: 有



建议开口尺寸





显示界面介绍



数据组设置界面

产品重量:净重101g, 含包装重121g **保护机制:** 输入防反接:有 输出防倒灌:有 输入欠压保护(LUP):5.5-35V可调,出厂默认值5.5V 输出过压保护(OUP):0.5-37V可调,出厂默认值37V 输出过流保护(OCP):0.001-5.2A可调,出厂默认值37V 输出过功率保护(OPP):0.01-91W可调,出厂默认值5.2A 输出过功率保护(OPP):0.01-91W可调,出厂默认值51W 过温保护(OTP):30-99℃可调,出厂默认值60℃ 超时保护(OHP):1分钟-99小时59分钟,出厂默认关闭 超容量保护(OAH):0.001-9999Ah,出厂默认关闭 超能量保护(OPH):0.001-4000KWh,出厂默认关闭

按键功能







切换显示界面 12.00V 注意 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)
声音 N 背光 5 息屏 N 语言 中 地址 001 速率 115200 M-OUT: 0N 可利取時下 N 开机路标 N 开机路标 06:00V 0.500A 0003.00W 校館电压 ? 06:00V 0.500A 0003.00W OUT: 00.00V 0.000A
锁定功能
M/r 12.00V
在正常显示界面,长按旋转编码器2秒,锁定设置的电压与电流,防止误操作;锁定后
长按编码器2秒解锁。
锁定后电源键一样能够正常操作,确保随时可以断开电源。
参数设置操作介绍

在正常界面,旋转编码器切换界面显示

曲线显示	界面	мл жят кат окла окла и с. коу о. 5604 и и	
按 <mark>0к/+</mark> 设 (显示 <mark>I:-</mark>	200mA),	(显示 <mark>V:—02</mark> 旋转编码器切	.0Ⅴ),旋转编码器切换大小,再按 ^{0K/1} 切换到电流刻度 换大小,再按 0K/1 退出;短按旋转编码器暂停。
按 M/t 训	周出数据组	CALL OUT 数据组 NO 06.00V 0.550A 0003.00V V:02.0V 1:200xA	旋转编码器切换数据组M0-M10;按 ok/ 确定并退出
按 V-SET 调	目出设置界面	1-SET: 3. 891A V-01P: 37.00V T-02: 5.200A	可以设置电压、电流、过压保护、过流保护

V:-02.0V I:-200n4



如果校准成功,会显示"校准成功"并退出,否则显示"校准失败"并退出。如果失败可尝试再次校准。

4. 短按 (0K/I),完成校准。

数据组设置界面

	短按 M/1 选择设置选项,设置 完成后短按 OK/J 确定并退出。	
	1. M─PRE: 10 : <mark>设置数据组</mark> 旋转编码器选择数据组	
	2. M-OUT: 011: 设置调出时默认开/关 旋转编码器设置调出时默认开/关	
	3. V-SET:12.00V: <mark>设置输出电压</mark> 短按编码器移位,旋转编码器调整大小	
	4. I-SET:3. 890A : <mark>设置输出电流</mark> 短按编码器移位,旋转编码器调整大小	
	5. <mark>S-LVP:05. 5 ↓ 7 : 设置输入欠压保护</mark> 短按编码器移位,旋转编码器调整大小	
	6. S-OVP:37.00▼: <mark>设置输出过压保护</mark> 短按编码器移位,旋转编码器调整大小	
	7. S-OCP:5.20❶Λ: 设置输出过流保护 短按编码器移位,旋转编码器调整大小	
	8.S-OPP: 91. Ⅲ : 设置输出过功率保护 ^{短按编码器移位,旋转编码器调整大小}	
	9. <mark>S-OTP:060. </mark>	
	10.S-OHP::-■h ・设置超时间保护 长技编码器打开/关闭 S-OHP:0000:0■h 在打开状态短按编码器移位,旋转编码器调整大小	
	11. S-OAH:■Ah : <mark>设置超容量保护</mark> : 长按编码器打开/关闭 S-OAH:0000.00■Ah 在打开状态短按编码器移位,旋转编码器调整大小	
隹。	12. S-OWH:	

Third generation upgraded CNC voltage buck-boost power supply color screen Model: ZK-SK90C

Product parameters

Product name: CNC DC voltage buck-boost power supply Input voltage: 6-36.00V Output current: 0-5A Output power: 90W Voltage resolution: 0.01V Data group storage: 11 groups Screen size: Upgraded 1.8-inch large screen, 36 * 29mm visible range Conversion efficiency: About 88% Product size: 83x48x39.6mm. (Height does not include rotary encoder) Product weight: Net weight 101g, Weight with packaging 121g Protection mechanism:

Short press: Call up data group settings

Product model: ZK-SK90C Output voltage: 0.5-36.00V Output voltage accuracy: ± 0.3%+3 words (Calibratable) Output current accuracy: ± 0.5%+3 words (Calibratable) Current resolution: 0.001A Silicon rubber keypads: 5 Buzzer: Yes Soft start: Yes

Input anti reverse connection: Yes

Output anti backflow: Yes

Input undervoltage protection (LUP): 5.5-35V adjustable, factory default value of 5.5V Output overvoltage protection (OUP): 0.5-37V adjustable, factory default value 37V Output overcurrent protection (OCP): 0.001-5.2A adjustable, factory default value of 5.2A Output overpower protection (OPP): 0.01-91W adjustable, factory default value 91W Over temperature protection (OTP): 30-99 °C adjustable, factory default value of 60°C Timeout protection (OHP): 1-99 hours and 59 minutes, factory default off Overcapacity protection (OAH): 0.001-9999Ah, factory default off Superenergy protection (OPH): 0.001-4000KWh, factory default off

Key functions

Short press: Select setting bit

Long press: Open/Cancel lock function

Left rotation: Switching interface display; Number reduction during setup

Right rotation:: Switching interface display; Number increase during setup







81mm

Interface Introduction

Product size



Curve display interface







JT:00.00V

Output capacity Output energy Statistical time Input voltage

/	000. 000AH	V-SET 12.00V
_	000. 000WH	I-SET 3. 890A
_	00:09:27	0VP 37.00V
	VN:09.85V	оср 5. 200А
	MO CV 🔜 (:OM 🖬

Statistics Interface

Menu interface



M-PRE: Select data group M0-M10 M-OUT: Set the default switch when calling out the corresponding data group V-SET: Set the output voltage value for the corresponding data group I-SET: Set the output current value for the corresponding data group Scroll S-LVP: Set the input undervoltage protection value for the corresponding data group, with a bar default of 5.5V S-0VP: Set the output overvoltage protection value for the corresponding data group, default to 37V S-0CP: Set the output overcurrent protection value for the corresponding data group, with a

default of 5.2A S-OPP: Set the output overpower protection value for the corresponding data group, with a default of 91W

S-0TP: Set the over temperature protection value for the corresponding data group, default to 60°C

S-OHP: Set the timeout protection time for the corresponding data group, which is disabled by default

S-0AH: Set the over capacity protection value for the corresponding data group, which is disabled by default

0.0 Data group setting interface

Suggested opening size

Instructions for use





Short press (-SET) to enter the current setting, short press to rotate the encoder to shift and adjust the size. After setting up, press (-SET) or (0K/4) again to exit the setup.

Quick settings OVP/OCP Image: Set of the setting of the set of the

Long press **I-SET** to enter OCP settings, short press the rotary encoder to shift, rotate to adjust size. After setting up, press **I-SET** or **OK/I** again to exit the setup.



Show lock symbols

On the normal display interface, long press and hold the rotary encoder for 2 seconds to lock the set voltage and current to prevent accidental operation; After locking, press and hold the encoder for 2 seconds to unlock. After locking, the power button can still operate normally, ensuring that the power can be disconnected at any time.

Introduction to parameter setting operations

On the normal interface, the rotary encoder switch interface displays

Curve display interface



Press 0K/I to set the voltage scale (display V:-02.0V), rotate the encoder to switch size, then press 0K/I to switch to the current scale (display I:-200 mÅ), rotate the encoder to switch size, and then press 0K/I to exit; Short press the rotary encoder to pause.

Press M/t to call out the data group

Dut Call or Rotating encourses OK/H to

Rotating encoder switching data group M0-M10; Press ok/1 to confirm and exit



Can set voltage, current, overvoltage protection, overcurrent protection



- 3. Use a multimeter to measure the actual current at the current output terminal again and input it.
- 4. Short press (OK/I) to complete the calibration.

If calibration is successful, it will display "CALI Success" and exit; otherwise, it will display "CALI Failed" and exit. If it fails, you can try calibrating again.

Data group setting interface

Short press (M/t) to select the settings option, and once the settings are complete, short press (OK/4) to confirm and exit.





	1. M-PRE:MO :	Set up data groups Rotating encoder selection data group
2	2. M-OUT: ON :	Set default on/off when calling out Default on/off when calling up rotary encoder settings
3	8. V-SET:12.	Short press the encoder to shift, rotate the encoder to adjust size
2	4. I-SET: 3. 89	Short press the encoder to shift, rotate the encoder to adjust size
Ę	5. S-LVP:05. 5	Short press the encoder to shift, rotate the encoder to adjust size
6	5. S-OVP:37.	• Set output overvoltage protection Short press the encoder to shift, rotate the encoder to adjust size
	7. S-0CP: 5. 20	CA : Set output overcurrent protection Short press the encoder to shift, rotate the encoder to adjust size
;	8.S-OPP: 91.	Short press the encoder to shift, rotate the encoder to adjust size
9	9. S-OTP:060.	C: Set up over temperature protection Short press the encoder to shift, rotate the encoder to adjust size
	0. <mark>S-0HP:</mark>	:- h :Set timeout protection S-OHP:0000:01h Short press the encoder shift in the open state, rotate the encoder to adjust size turn on/off
	11. S-OAH:	Set up over capacity protection Long press the encoder to turn on/off
-	2. S-OWH:	Wh :Set up over energy protection Long press the encoder to turn on/off