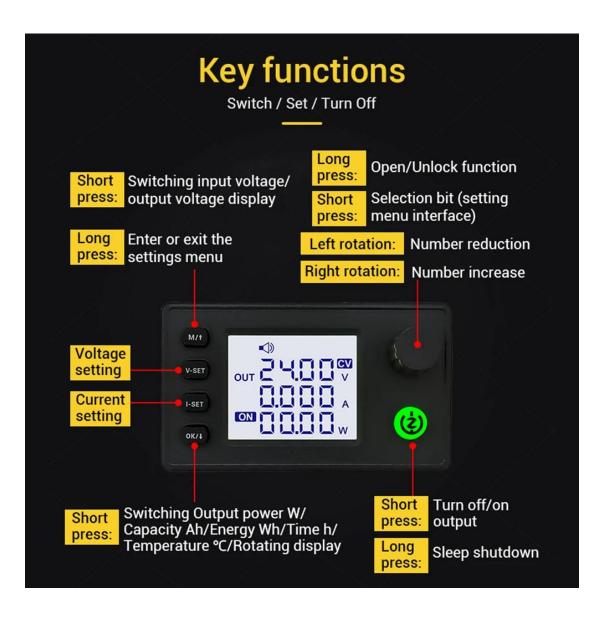
ZK-SK40	2
ZK-SK90	16

ZK-SK40

Product parameters Parameters / Protection mechanisms CNC DC voltage buck-boost power supply Product model Product ZK-SK40 Output voltage Input voltage 6-36.00V 0.5-36.00V Voltage accuracy Output current ±0.3%+3 words (Calibratable) 0-4.5A Output power Output current accuracy ±0.5%+3 words (Calibratable) 40W Voltage resolution Current resolution 0.01V 0.001A Data group storage Silicon rubber keypads 11 groups 5 Upgraded 1.8-inch large screen, 36 * 29mm visible range Buzzer Yes Screen size Conversion efficiency Yes About 88% Soft Net weight of product: 103g Weight with packaging: 123g 83x48x29.4mm (Height does not include rotary Product weight Product size encoder) Protection mechanism Yes Output anti backflow Input anti reverse connection Under voltage protect (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) 0.001-4.6A adjustable, factory default value 4.6A Output overpower protection (OPP) 0.01-41W adjustable, factory default value 41W 30-99 ℃ adjustable, factory default value of 90 ℃ Over temperature protection (OTP) 1-99 hours and 59 minutes, factory default off Timeout protection (OHP) Overcapacity protection (OAH) 0.001-9999Ah, Factory default off Superenergy protection (OPH) 0.001-4000KWh, Factory default off





Upgrade silicone buttons

Effortless / Soft / Silent / Durable



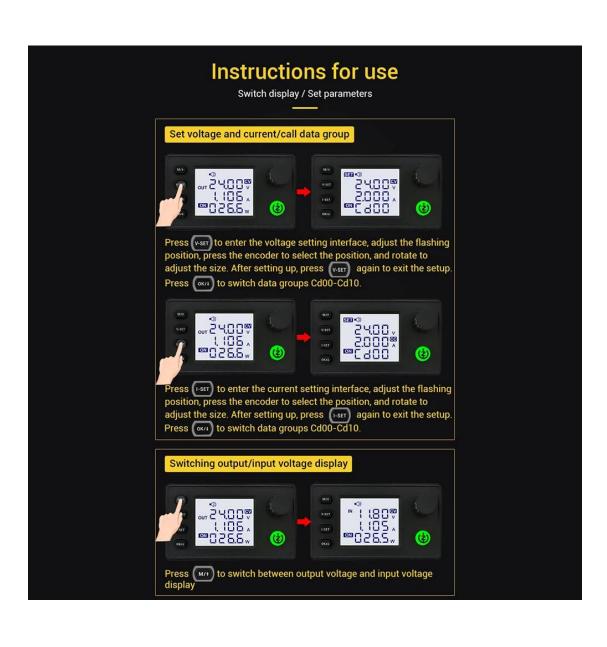
Effortless Silent

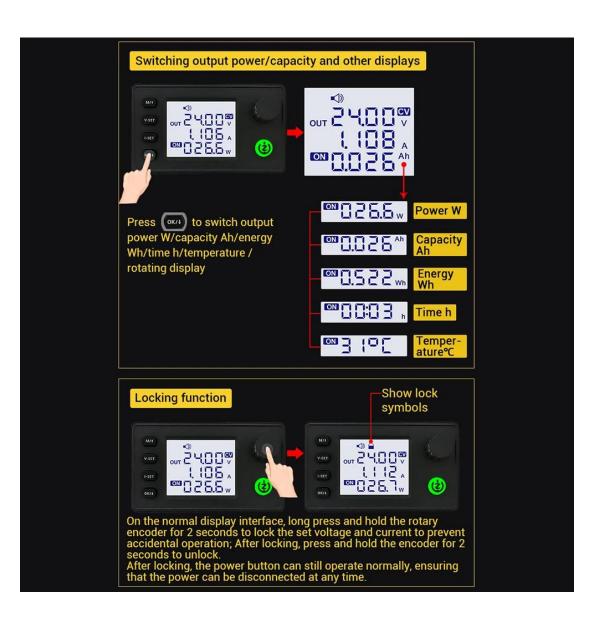
Soft Durable Damping perception

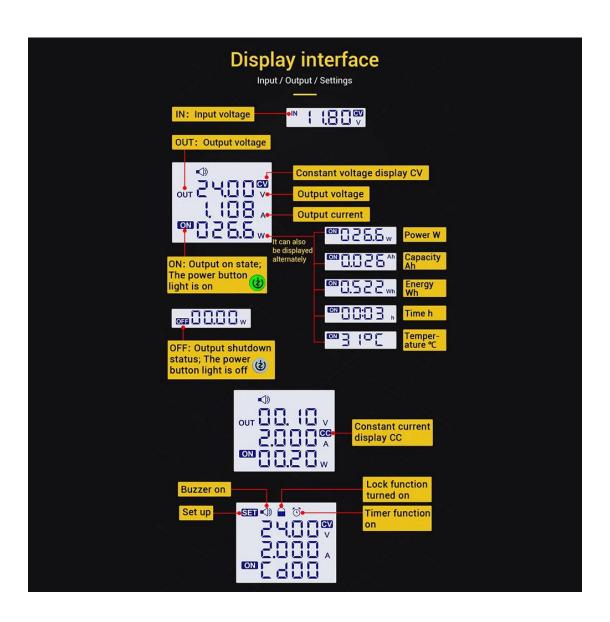
Waterproof Dustproof

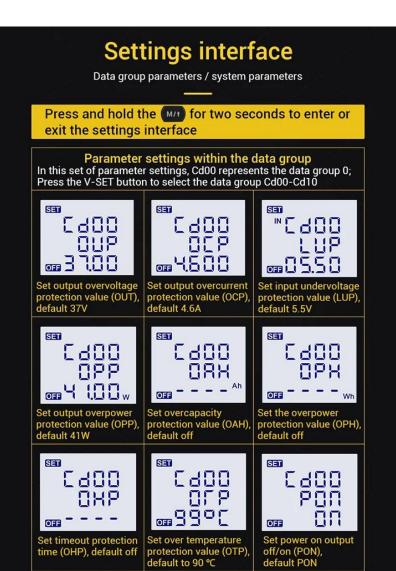
The silicone button material is soft, comfortable to touch, and has an excellent hand feel.

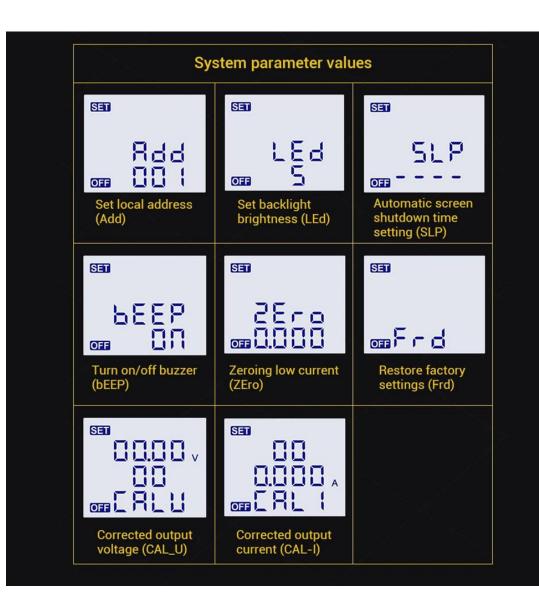
Compared to mechanical buttons, they can withstand long-term use and frequent pressing without wear or failure, making them more durable and have a longer service life.





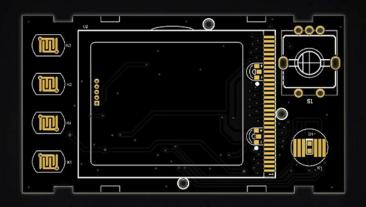






PCB sinking gold process

Protection / conductivity / reliability



Protection

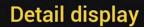
Conductivity

Reliability

- Prevent missing segments in LCD after long-term use
- Protect circuit board pads from oxidation
- Improving PCB conductivity
- Reduce line impedance and contact resistance







Buzzer / Fan interface / Plug-in terminal

Built in buzzer

Key prompt, alarm prompt, and echo for everything





Reserve 5V fan interface

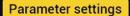
It can be cooled by adding a fan on its own, supporting fans up to 5V150mA, and can use a 30mm size fan fixed with M3.2*19 screws.



Upgrade plug-in terminals

Easy to disassemble and replace.





Press and hold for 2 seconds to enter the settings menu. The first interface is the OUT settings interface,

Press (VSET) to switch data group names, press (LSET) to select the previous parameter,

Press (OK/4) to select the next parameter.

Parameter settings within the data group

OUP setting (Overvoltage protection)



Short press the encoder to select a bit and adjust the value size by rotating it.

For example, if OUP is set to 24.00, when the output voltage is greater than 24.00V, the output will turn off the protection, thereby protecting the load from being burnt out due to overvoltage power supply. After protection, the bottom row will display OUP. Press the power button to cancel the protection.

OGP setting (Overcurrent protection))



Short press the encoder to select a bit and adjust the value size by rotating it.

For example, if OCP is set to 2.000, when the output current is greater than 2.000A, the output will turn off the protection, thereby protecting the load from being burnt out due to overcurrent.

After protection, the bottom row will display OCP. Press the power button to cancel the protection.

ZK-SK90

Third generation upgraded version ZK-SK90

CNC DC voltage buck-boost power supply 90W

Silicon Rubber | Full view enlarged | Beeper On | Double snap Keypads | LCD screen | Beeper On | shell

6-36V O.5-36V O-5A 90W 11 groups
Input Output Output Storage voltage current power space

Multiple protection

- ✓ Anti reverse ✓ Anticonnection backflow protection protection
- Overcurrent Over temperature Over power protection protection



Independent silicone button to set voltage or current

One click entry, one click exit, fast and concise, rejecting complexity.

Gold sinking process for LCD display boards

Eliminate poor contact caused by oxidation, resulting in incomplete display after prolonged use.

Double snap shell

The connection between the upper and lower boards is more reliable and stable.

Further improvement in performance

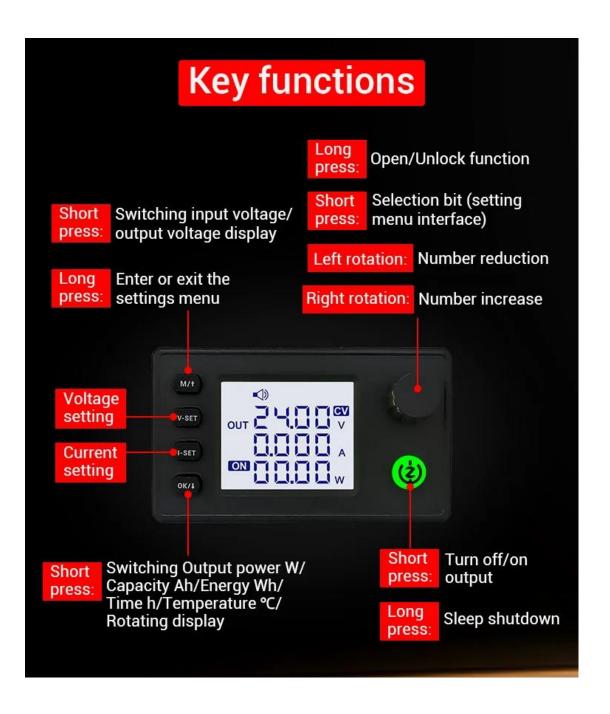
Power upgrade, with built-in cooling fan.

Independent architecture for upper and lower boards, independent MCU

Replace the LCD or color display board at will, and the power board can also be used independently.

Product parameters

Product name	CNC DC voltage buck-boost power supply		Pro	duct del	ZK-SK90		
Input voltage	6-36.00V		Ou vol	tput tage	0.5-36.00\	0.5-36.00V	
Output current	0-5A			Voltage ±0.3%+3 word (Calibratable)			
Output power	90W			tput current curacy	±0.5%+3 words (Calibratable)		
Voltage resolution	0.01V			rrent olution	0.001A		
Data group storage	11 groups			con rubber pads	5		
Screen size	Upgraded 1.8-inch large screen, 36 * 29mm visible range		Bu	zzer	Yes		
Conversion efficiency	About 88%		Sof	t	Yes		
Product size	83x48x39.6mm (Height does not include rotary encoder)			oduct ight	Net weight of product: 112g Weight with packaging: 132g		
Protection mechanism							
Input anti reverse connection Y		Yes	'es Output anti backflow Yes				
Under voltage protect 5.5-35 (LUP) value		5V adj of 5.5	V adjustable, factory default of 5.5V				
Output overvoltage 0.5-37\ protection (OUP) value 3		7V adj 37V	V adjustable, factory default 7V				
Output overcurrent 0.001- protection (OCP) value 5		-5.2A 5.2A	5.2A adjustable, factory default 5.2A				
Output overpower 0.01-91 protection (OPP) value 9		91W a 91W	IW adjustable, factory default IW				
Over temperature 30-99 ° value o		℃ ad of 90	C adjustable, factory default f 90 °C				
Timeout protection 1-99 (OHP) 1-99 (defau		nours and 59 minutes, factory It off					
Overcapacity protection (OAH)		0.001	0.001-9999Ah,Factory default off				
Superenergy protection (OPH) 0.001-4000KWh, Factory default off				ff			



Upgrade silicone buttons

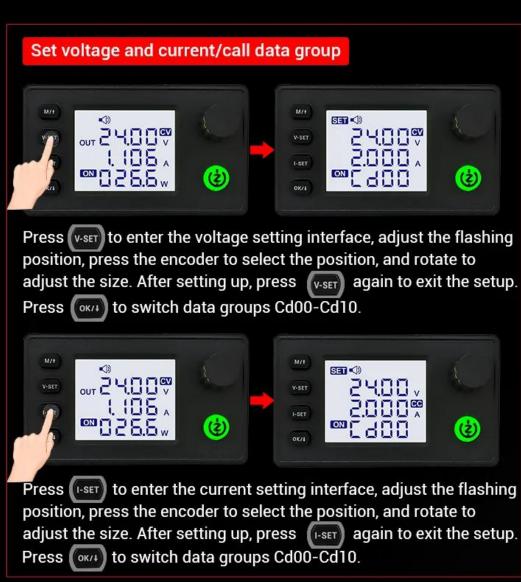


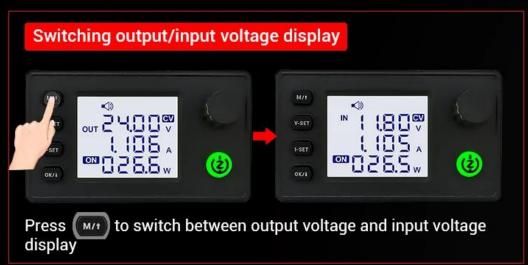
Effortless Silent Soft Durable Damping perception

Waterproof Dustproof

- The silicone button material is soft, comfortable to touch, and has an excellent hand feel.
- Compared to mechanical buttons, they can withstand long-term use and frequent pressing without wear or failure, making them more durable and have a longer service life.

Instructions for use





Settings interface

Press and hold the for two seconds to enter or exit the settings interface

Parameter settings within the data group

In this set of parameter settings, Cd00 represents the data group 0; Press the V-SET button to select the data group Cd00-Cd10



Set output overvoltage protection value (OUT) default 37V



Set output overcurrent protection value (OCP) default 5.2A



Set input undervoltage protection value (LUP), default 5 5V



Set output overpower protection value (OPP), default 91W



Set overcapacity protection value (OAH) default off



Set the overpower protection value (OPH), default off



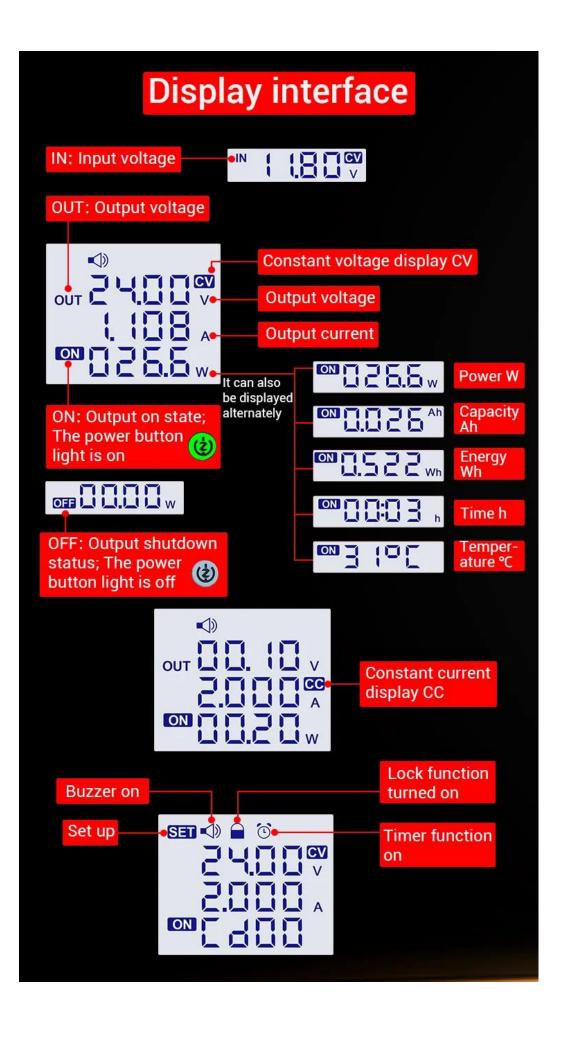
Set timeout protection time (OHP), default of



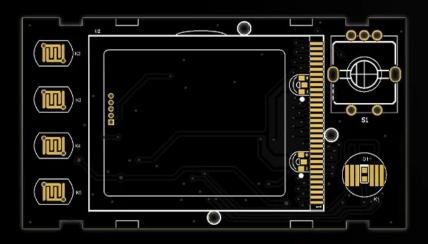
Set over temperature protection value (OTP), default to 90 °C



Set power on output off/on (PON), default PON



PCB sinking gold process



Protection

Conductivity

Reliability

- Prevent missing segments in LCD after long-term use
- Protect circuit board pads from oxidation
- Improving PCB conductivity
- Reduce line impedance and contact resistance

Upgrade the large screen





Visualization range 36 * 29mm

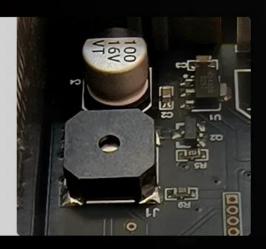




Detail display

Built in buzzer

Key prompt, alarm prompt, and echo for everything





Upgrade plug-in terminals

Easy to disassemble and replace.

