Desktop 3D Printer
SV06 Plus

Parameters:

Model	SV06 Plus
Software language	English
Print size	300 mm*300mm*340mm
Recommend printing speed	150mm/s
Printing accuracy	±0.001mm
Nozzle diameter	0.4mm (Replaceable)
Nozzle temp	≤300℃
Hotbed Temp	≤100℃
Diameter of filament	1.75mm
File format support	G-Code
Voltage	input 115/230 V 50/60HZ output 24V
Operating system	Windows, Linux, Mac
Power supply	500W/ 24V
Package size	640mm＊580mm＊240mm
Printer weight	13.97kg

Features:

1. Build volume: 300*300*340mm, large print size, enjoy the fun of printing.
2. Print speed: 150mm/s
3. All metal & big volume hotend setup.
4. All metal planetary direct drive extruder.
5. Auto bed leveling. SV06 plus used inductive sensor to detect the metal print bed

with 25 points automatically and compensate the unevenness of the heated bed.The fast, smart and precise detection and compensation to help you get the bed leveled perfectly and get a fantastic first layer.

6. 4.3 inches Touch screen.

7. PEI build plate. The PEI coated build plate is flexible, the prints can be removed easily without any tool. The bed is solid, not easy to get scratches even in long-term printing.

8. 32 Bit main board.Sovol self-developed main board,with TMC 2209 drivers, makes the printer words stably and silently. For safety thermal runaway protection is instant & automatic in a thermal error occurs. UART mode is available, more modification can be done easily for advanced users(not recommend beginners to modify).
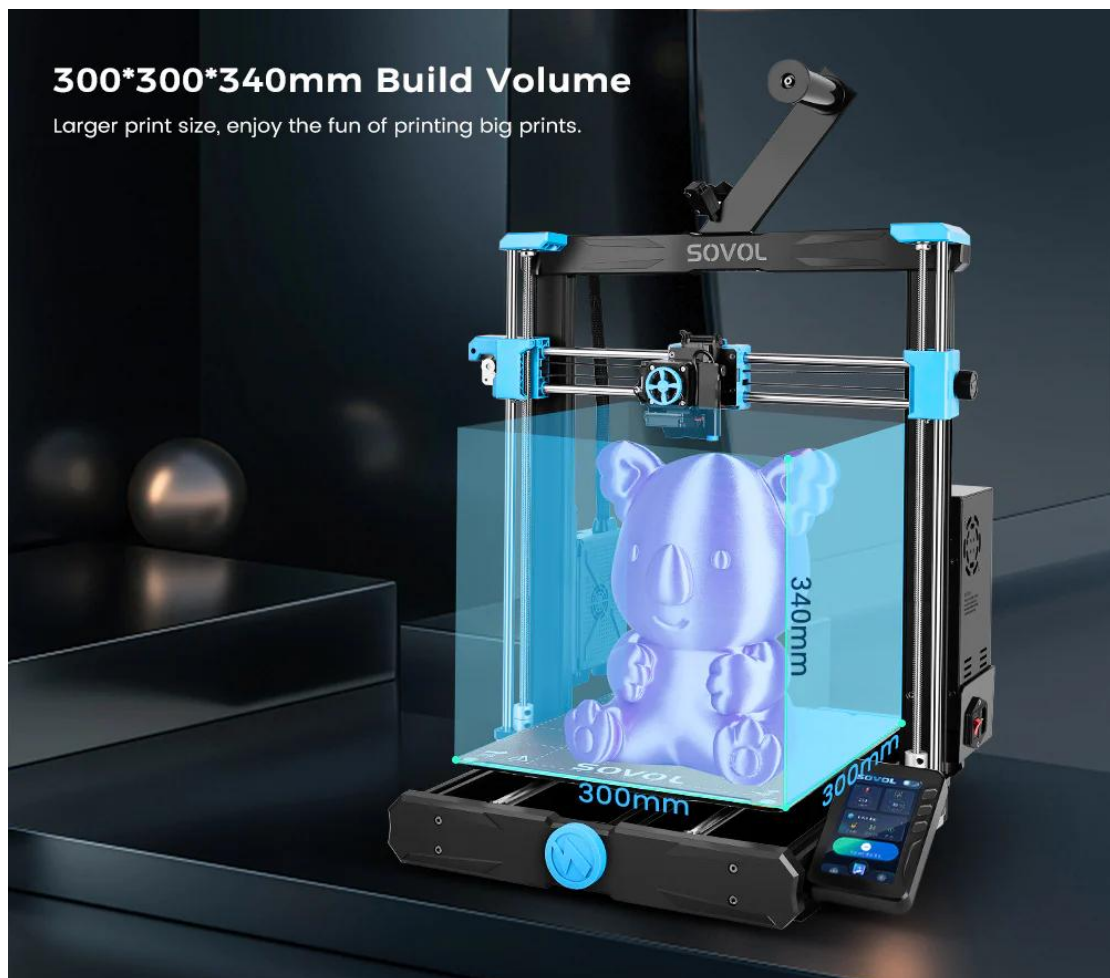
9. Auto X-axis leveling.

10. Dual Z-axis.

11. Filament run-out sensor.It will pause the printing automatically if you run out of your filament, or if the filament is broken.
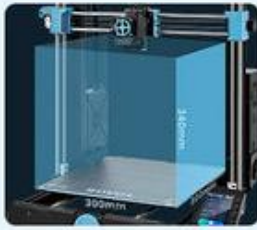
12. Resume printing.Click "resume print", your printing will continue perfectly after a power outage or broken filament etc so that the already finished part won't be wasted.

13. High temperature 300 ℃ and high speed all in one.

14. G34 auto Z align function.As UART mode is opened on SV06 main board, and G34 updated, SV06 plus has G34 auto Z align function. If you want to level X axis, all you need to do is click auto Z-align,the printer will process X-axis leveling automatically. Save time and effort.
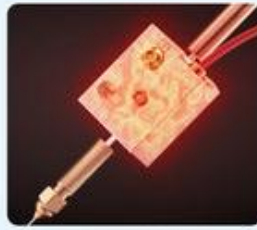
Features

Build Volume 300*300*340mm

Print speed 150mm/s

All Metal & Big Volume Hotend Setup

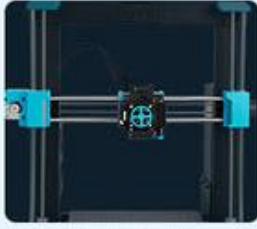**All Metal Planetary Direct Drive Extruder**
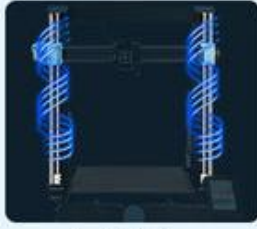
Auto Bed Leveling

Touch Screen

PEI Build Plate

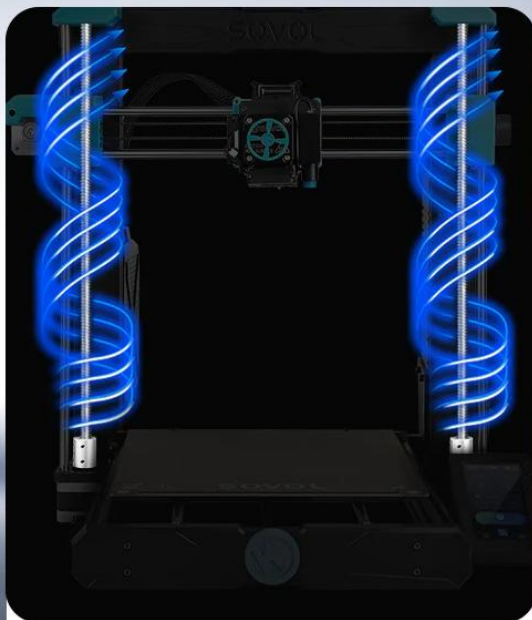**32bit Mainboard**

Auto X axis Leveling
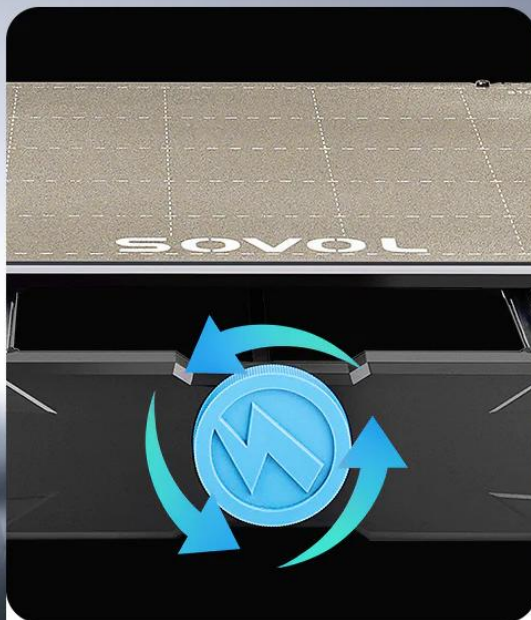
Dual Z axis

Filament Run-out Sensor

Resume Printing

Dual Z axis

Dual Z-axis screws and stepper motors improve the accuracy and precision of the nozzle's vertical movement with a specified Z-axis accuracy of 0.001mm.

Belt Tensioner

The big belt tensioner with Sovol lightning sign, very cool, and comfortable to adjust the belt tension to achieve smooth printing result.
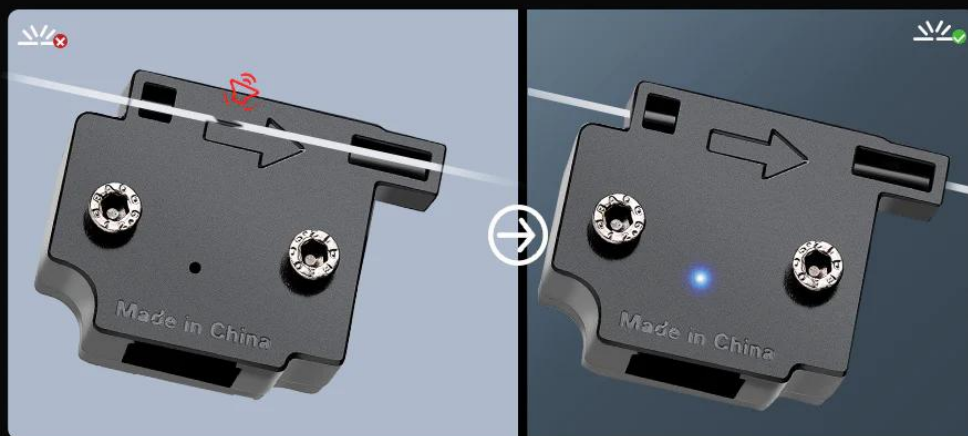
G34 Auto Z Align

As UART mode is opened on the mainboard, and G34 updated, SV06 Plus has G34 Auto Z align function.

If you want to level X axis, all you need to do is click" Auto Z-Aligh*, the printer will process X-axis leveling automatically. Save time and effort.
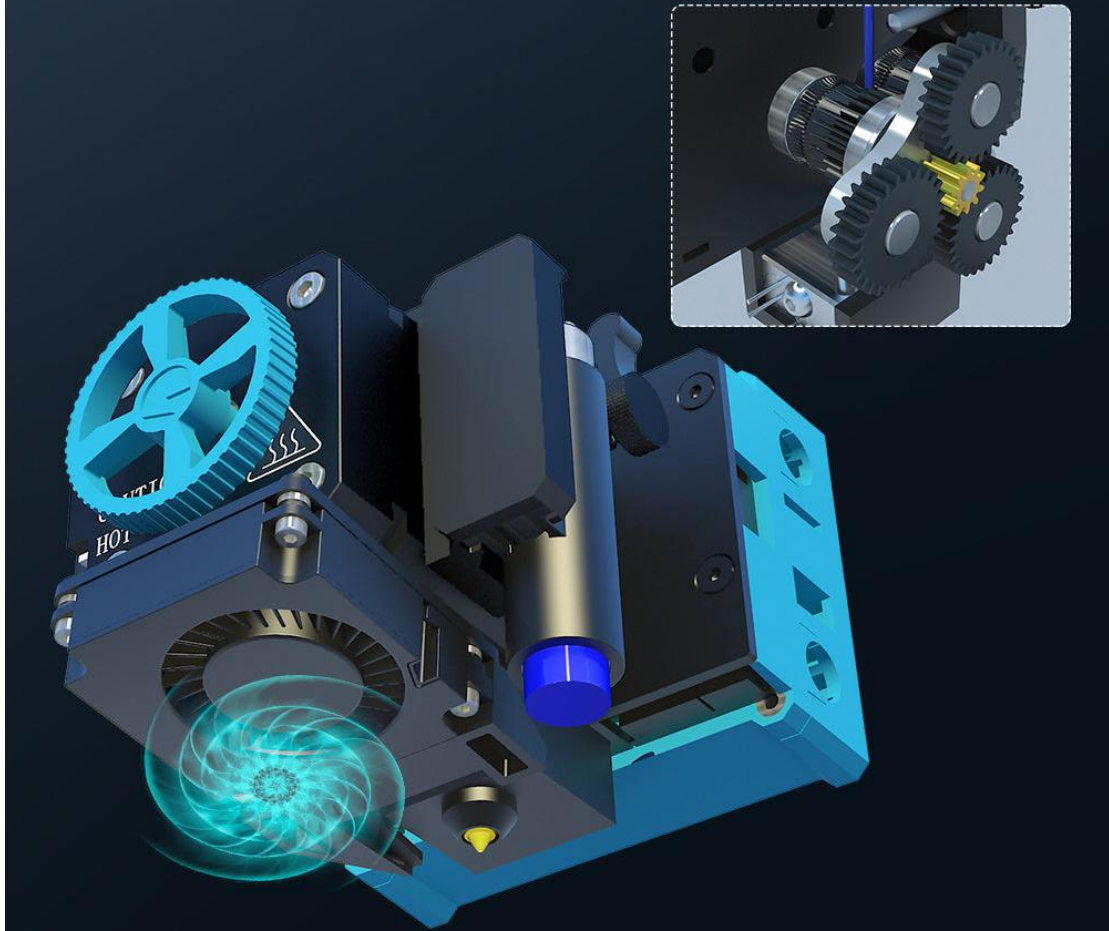

Filament runout sensor

It will pause the printing automatically if you run out of your filament, or if the filament is broken.

All Metal Planetary Direct Drive Extruder

Sovol Self-developed All Metal Direct Drive Extruder with planetary gear set, provides the printer with higher drive ratio and a lighter motor, helps to achieve more accurate extrusion.

PEI Build Plate

The PEI-coated Build Plate is flexible, the prints can be removed easily without any tools. The bed is solid, not easy to get scratches even in long-term printing.

High temp 300°
High Speed 150mm/s All in One

All Metal hotend with larger melt zone enables you to print at faster speed and various materials, satisfies your demand for high temp and high speed.
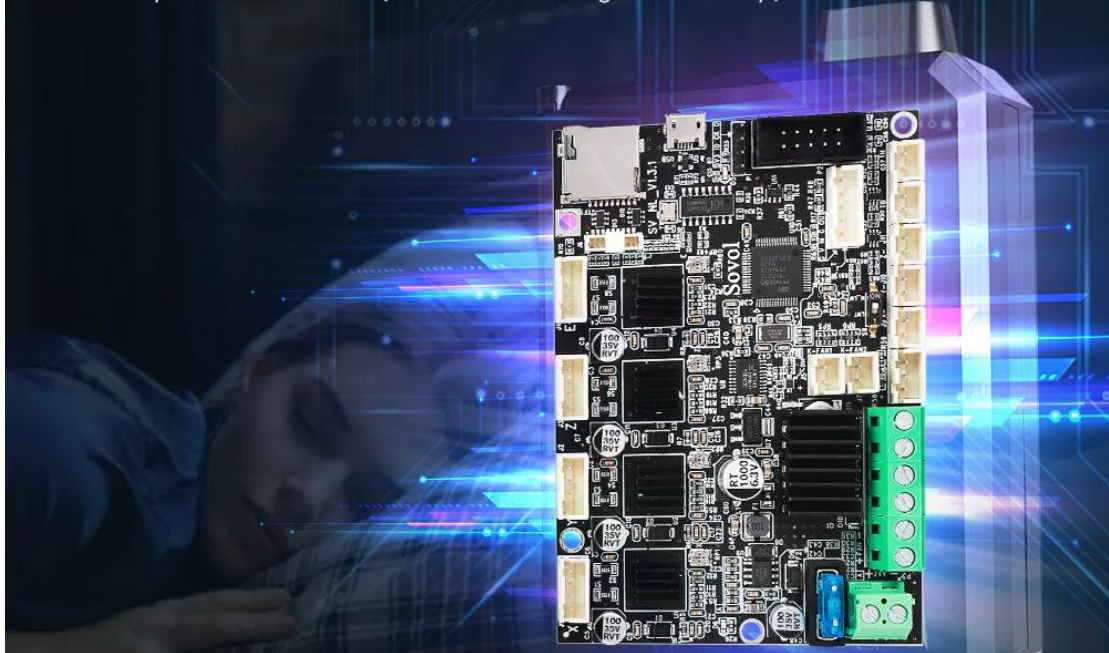
10mm

10mm

SV06 Plus

SV06

Support Materials

TPU

PLA

PETG

ABS

PC

ASA

Nylon

Carbon Fiber

Wood

6

32bit Mainboard

Sovol Self-developed Mainboard, 32 bit, with TMC 2209, makes the printer work stably and silently. For safety thermal runaway protection is instant & automatic if a thermal error occurs. UART mode is available, more modification can be done easily for advanced users.(Not recommend beginner to modify.)
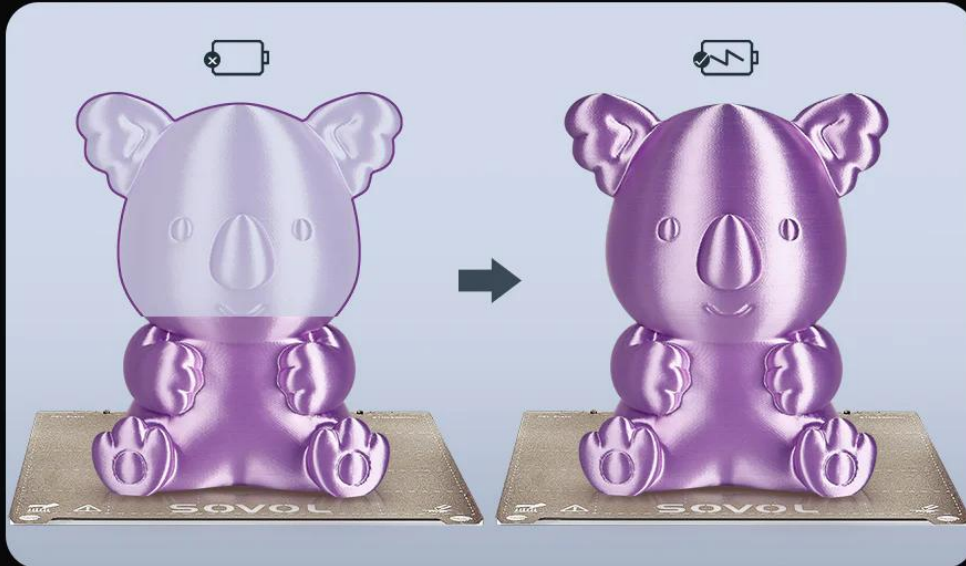

4.3 Inch Touch Screen

Day & Night mode can be switched casually. The unique UI and sensitive response give you better using experience.

Resume Printing

Click *resume print*, your printing will continue perfectly after a power outage or broken filament etc so that the already finished part won't be wasted.

Sovol SV06 PLUS vs Sovol SV06

Product	SV06 PLUS	SV06
Image		
Print Size	300*300*340mm	220*220*250mm
Recommend Print Speed	150mm/s	80mm/s
Max Nozzle Temp	300°	300°
Display	4.3inch Touch Screen	Knob Screen
Power Supply	500w	360w
Filament runout sensor	Yes	No
Auto Leveling	Yes	Yes
Filament Holder with Bearing	Yes	No