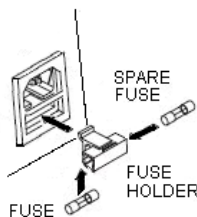


All units have an internal circuit breaker protecting the DC output. If the breaker opens, turn the power off and wait a few minutes to allow the circuit breaker to reset. If the breaker is continually opening it could mean you have a problem with the tool or the tool power cord, the power supply or have selected the wrong screwdriver or power supply for the application. Contact HIMAX for help to resolve the problem.

The AC FUSE on the CLT-50 power supply is located in the IEC connector on the back of the units along with a spare fuse. The spare fuse is located in the rear "pocket" of the fuse holder.



**NOTE** The CLT-50 has a hard wired cord and can be operated on 110-115 VAC ONLY. The CLT-50S AC FUSE is inside the case and is not recommended to be replaced by the user.

## SPECIFICATIONS

Features	CLT-50	CLT-50S
Input voltage	AC 115/ 230V~ 50/60Hz	
Output voltage	DC 20V/30V	LOW/HI 2 Class converter
Output current	DC 2.5A (MAX)	DC 1.5A (MAX)
Figure dimension	100(W)×190(D)×95(H)	70(W)×125(D)×60(H)
Weight	2.8Kg	1Kg
AC power cord length	1.8m	1.5m
Application area	TL2000(T2)/3000(T3) TL4000(T4)/5000(T5) TL6000(T6)/6500(T65)	TL2000(T2)/ TL3000(T3)/ TL4000(T4)

## NINBO TAI-LI A.E.T. CO., LTD

No.168, Yingchun Road, Wangchun Industry Development Area,  
Gaoqiao, Yinzhou District, Ningbo, China  
Tel : 0574-87368178 Fax : 0574-87368078

[www.ehimax.com](http://www.ehimax.com)

# HIMAX

## ELECTRIC SCREWDRIVER POWER SUPPLY

# CLT-50 / CLT-50S

## INSTRUCTION MANUAL

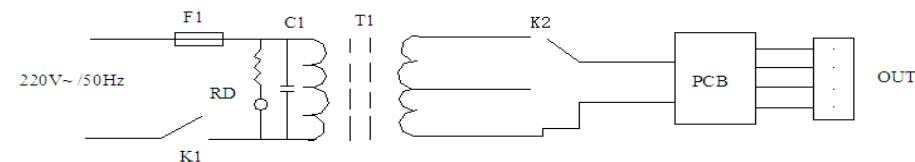


CLT-50/CLT-50S power supply can be applied to HIMAX TL/T series or other compatible electric screwdriver brands, which adopts the advanced electronic circuit, the SMT surface technology of welding and the branded imported component for control circuit to realize the supplying of high-quality direct current; The product is characterized by stable performance, strong power, extreme safety and easy maintenance.

### Instruction:

- CLT-50/CLT-50S power supply is applied to TL/T series electric screwdrivers.
- Please notice whether the electric screwdriver connects to the power supply with 5P connecting wire in correct direction.
- Ascertain that the power supply is connected at 110~230V 50/60Hz, and turn on the power. When the LED red light illuminates, the machine is ready to work.
- User can change the output voltage to LOW: 25V or HI: 30V by turning the HI/LOW switch, to convert the speed of the electric screwdriver.

### Electric Figure:



### Remarks:

F1/Fuse	C1/Capacitor	T1/Transformer	K2/Speed switch
RD/Indicator lamp	K1/Power switch	PCB/control plate	OUT/socket

## Read Before Use

- Failure to follow the cautions below may result in electric shock, fire or serious injury.
- Use the proper voltage and connect to ground while in use.
- Use only with a commercial power source equipped with a short-circuit breaker or safety breaker.
- Do not use with wet hands. Do not use near high-voltage/high amperage machinery.
- Do not use near combustible gas, liquid or powder. Keep out of reach of children.
- Do not use where static electricity may occur. Use only with proper ventilation.
- Do not disassemble or modify equipment. Use in low temperature and humidity.
- Turn off power switch and disconnect when not in use. Use only on flat surface.
- If the equipment overheats and circuit breaker trips, power down the unit and allow to cool. Turn back on and continue operation. If the problem continues, return the power supply and the tool to HIMAX local agent for service.
- Do not drop. This could cause internal damage.
- Do not use if the AC cord is cut frayed or abraded.

### The following tools can be used with the CLT-50S\*

HIMAX TL-2000 / T2 HIMAX TL-3000/T3 HIMAX TL-4000/T4

The CLT-50S has a reduced output capacity and will not properly operate tools other than the tools listed. You would not be able to achieve full performance on tools not listed.

### The following tools can be used with the CLT-50\*

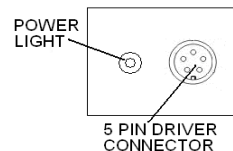
HIMAX TL-2000/T2 HIMAX TL-3000/T3 HIMAX TL-4000/T4 HIMAX TL-5000/T5  
HIMAX TL-6500/T65 HIMAX B-05 HIMAX B-10

NOTE: While HIMAX B-05 and B-10 series tools will operate using the CLT-50, you may not be able to achieve full performance or the maximum rated torque output of these tools.

## FRONT VIEW of CLT-50S

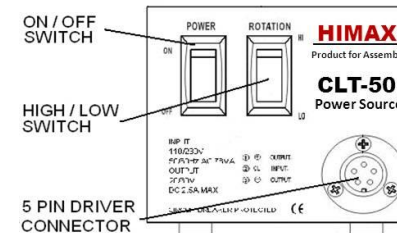
The CLT-50S is a smaller lighter power supply enclosed in a plastic case rather than the metal enclosures of the CLT-50. It has a lower output which is why it can only be used properly with the smaller lighter torque drivers. The power switch is located on the top of the unit and has 3 positions, HIGH / OFF / LOW (not shown) The front of the unit has the power light and the 5 pin driver connector.

The power light will be on whenever the unit is plugged in to 110-115 VAC and the power switch is either in the HIGH or LOW position.



## FRONT VIEW of CLT-50

The ON / OFF switch will illuminate when the switch is turned to the ON position. The HIGH / LOW switch will change the DC output voltage from 30 VDC to 20VDC. Another model - CLT-100 is similar to CLT-50 except that the CLT-100 can power 2 drivers at the same time. NOTE while the CLT-100 unit can power two screwdrivers simultaneously both drivers will operate at the same speed setting as determined by the position of the HIGH / LOW switch.



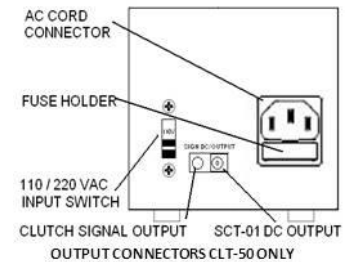
## C-E APPROVAL

The CLT-50 and CLT-50S all carry the C-E approval. They are all double insulated for electrical safety and use the same PC board assembly. The CLT-50S does provide a ground path through the 3rd pin on the plug.

## REAR VIEW of CLT-50 POWER SUPPLY

The HIMAX CLT-50 power supply can operate either on 110-115 VAC or 220-230 VAC by selecting the desired voltage on the slide switch located on the back of the units.

Besides, the CLT-50 is designed to connect to the HIMAX STC-01 Screw Counter. There is a connector for the clutch signal and a connector for the DC output to power the SCT-01. The necessary cables are supplied with the STC-01.



Optional cable is available to connect the CLT-50 to a PLC or other equipment to provide a momentary dry contact / relay closure signal when the clutch shuts off.

## CORD, FUSE, CIRCUIT BREAKER

The CLT-50 power supply has a detachable IEC style AC cord. The AC cord supplied with the units has the correct style plug for operating in the US. If you are using the unit on 220-230 VAC or outside the US where a different style connector is needed, these can be acquired locally. The cord is similar to the cord used on a PC or copier.