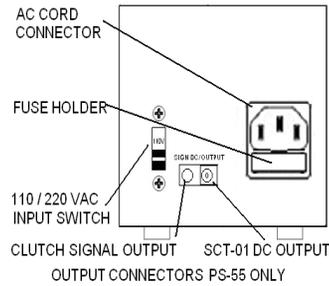


## REAR VIEW of PS-55, PS-55 SS & PS-110

The PS-55, PS-55 SS 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.

**NOTE 220 VAC option not available on PS-110 and clutch signal output for use with brushed tools only.**

Only the PS-55 is designed to connect to the STC-01 Screw Counter, ASG # 65645. 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, # 65705 is available to connect the PS-55 to a PLC or other equipment to provide a momentary dry contact / relay closure signal when the clutch shuts off.

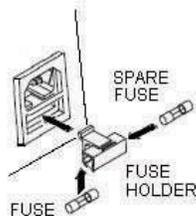
## CORD, FUSE, CIRCUIT BREAKER

The PS-55, PS-55 SS and PS-110 all have a detachable IEC style AC cord. The AC cord supplied with the units have 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.

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 ASG for help to resolve the problem.

The AC FUSE on the PS-55, PS-55 SS and PS-110 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. The part # for the replacement fuse is # 720318, or use a GMA-2R Bussman 2 Amp fuse or equivalent.

**NOTE** The PS-55C has a hard wired cord and can be operated on 110-115 VAC ONLY. The PS-55C AC FUSE is inside the case and is not recommended to be replaced by the user.



## SPECIFICATIONS

Model	PS-55	PS-55 SS	PS-110	PS-55C
Size L x H x W	7.1" x 3.5" x 4"			4.1" x 2.4" x 2.4"
Weight	6.5 lb	6.5 lb	6.5 lb	2.2 lb
Input Voltage AC	110-115 VAC 2A / 220-230 VAC 1A		110-115 VAC 2A	
Output Voltage DC	20-30			20-30
Output Amp	2.5			1.5
Cord length	6' (detachable)			3'
Fuse Rating	110-115 VAC 2A / 220-230 VAC 1A		110-115 VAC 2A	

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# ASG PS SERIES POWER SUPPLIES OPERATING INSTRUCTIONS



July 2013

## PS-55, PS-55 SS PS-110, PS-55C



## Models PS-55, PS-55 SS, PS-110, PS-55 C

### 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 or the tool to ASG 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 PS-55 C\*

BL-2000 CL-2000 CL-3000 CL-4000 SS-3000 SS-4000 TL-3000

The PS-55C 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 PS-55, PS-55 SS and PS-110\*

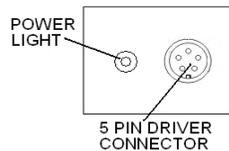
BL-2000 BL-5000 CL-2000 CL-3000 CL-4000 A-4500 A-5000  
 CL-6000 CL-6500 TL-3000 TL-6500 SS-3000 SS-4000 SS-6500  
 SSCR-3000 SSCR-4000 SSCR-6500

NOTE While CL-7000, BL-7000 SS-7000 and A-6500 series tools will operate using the PS-55, PS-55 SS and PS-110 you may not be able to achieve full performance or the maximum rated torque output of these tools.

\*Please contact ASG with any questions regarding screwdriver/power supply compatibility.

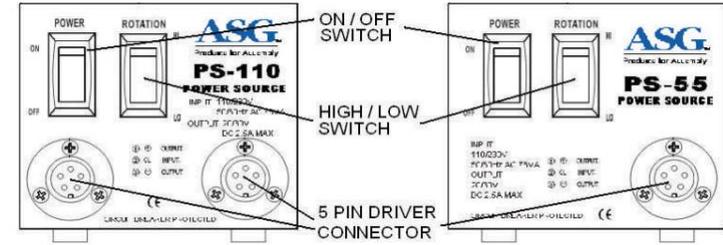
### FRONT VIEW of PS-55C

The PS-55 C is a smaller lighter power supply enclosed in a plastic case rather than the metal enclosures of the PS-55, PS-55 SS and PS-110. 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.



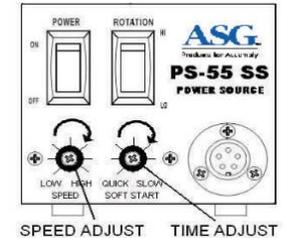
### FRONT VIEW of PS-55 & PS-110

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. The PS-55 and PS-110 are similar except that the PS-110 can power 2 drivers at the same time. NOTE while the PS-110 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.



### FRONT VIEW of PS-55 SS

The PS-55 SS is similar to the PS-55. The PS-55 SS or "Slow Start" can start the screwdriver at a slow speed and then ramp up to a selected speed after a selected time interval. NOTE the High / low switch will not function on the PS-55 SS and may be deleted in the future.



The left hand adjustment is the SPEED ADJUSTMENT. Adjust clockwise from low to high to select the final running speed. The SPEED ADJUSTMENT available is approximately 30% of the drivers full rated speed. The starting speed will always be the lowest available speed for the particular driver. This will be the same as the speed shown at 20VDC in the ASG catalog. Consult ASG with any questions regarding the speed rating of a specific tool..

The right hand adjustment is the TIME ADJUSTMENT. Adjust counter clockwise from slow to quick to select the time delay between the starting speed and the final running speed. The TIME ADJUSTMENT available is from about 1 second up to about 5 seconds.

The left hand adjustment is the SPEED ADJUSTMENT. Adjust clockwise from low to high to select the final running speed. The SPEED ADJUSTMENT available is approximately 30% of the drivers full rated speed. The starting speed will always be the lowest available speed for the particular driver. This will be the same as the speed shown at 20VDC in the ASG catalog. Consult ASG with any questions regarding the speed rating of a specific tool..

EXAMPLE; for a tool rated at 1000 RPM at 30 VDC the final running speed adjustment available is between 700 RPM and 1000 RPM. The slow start will begin at 700 RPM then advance to the selected final running speed between 1 and 5 seconds.

The speed and time adjustments can be made using a #1 Phillips screwdriver with a diameter of approximately 4MM or an ASG # 64835 ceramic driver.

**CAUTION** the adjusting pots will only turn a maximum of 270 degrees, turn gently in either direction and do not force the adjuster past the stop.

### C-E APPROVAL

The PS-55, PS-55 SS and PS-110 carry the C-E approval. The PS-55C does not, but is double insulated for electrical safety and uses the same PC board assembly as the PS-55. The PS-55C does provide a ground path through the 3rd pin on the plug.