

Serial No : _____

ASA power supply operating manual for conventional transformer type.

A Word of Thanks to Our Customers

Thank you for choosing lightweight and powerful electric screwdrivers. In order to insure maximum performance and product life, please read through this manual before using your screwdriver.

Feature

- The transformer adopts the most advanced winding and assembled under strict quality control to meet the international safety standard.
- It will never be affected by the transient power source change, durable and trouble free.
- High performance and highly economical product.

Specifications

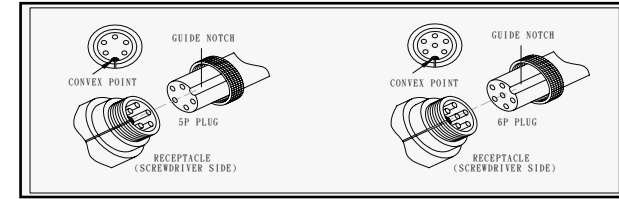
Model	A2		APT-35D		A6		APT-65		APT-70		APT-70S	
Output VOL(AC)	115/60HZ 230/50HZ	OPTION	115/60HZ 230/50HZ	OPTION	115/60HZ 230/50HZ	OPTION	115/60HZ 230/50HZ	OPTION	115/60HZ 230/50HZ	OPTION	115/60HZ 230/50HZ	OPTION
Output VOL(DC)	35		35/25		30/20		30/20		30		30	
Output Speed Set	Hi/Lo Two speed One speed	option	Hi / Lo two speed		Hi / Lo two speed		Hi / Lo two speed		One speed		One speed	
Output terminal	5pinsX1 6pinsX1		5 pins X2		6 pins		6 pins		5 pins		6 pins	
Drivable	1 screwdriver		2 screwdrivers		1 screwdriver		1 screwdriver		1 screwdriver		1 screwdriver	
Power consumption(W)	30		30X2		30		40		60		60	
Dimension (mm)	135X90X70		220X118X96		135X90X70		220X118X96		220X118X96		220X118X96	
Weight(kg)	1.2		3.4		1.4		3.4		3.7		3.7	
Available Electric Screwdriver	ASA-2000,(S)		ASA-2000,(S)		ASA-6000		ASA-6000		ASA-7000		ASA-7500	
	ASA-3000,(S)		ASA-3000,(S)		ASA-6500		ASA-6500		ASA-8000		ASA-8500	
	ASA-4000,(S)		ASA-4000,(S)				ASA-6800				ASA-9000	
	ASA-4500,(S)		ASA-4500,(S)									
AC cord Length(m)	1.8											

Matters to be aware of :

- The power supply should be plugged in a power source with leakage and overload protection.
- The power supply should be used in places with room temperature, normal humidity level and without the presence of dusts and iron grindings.
- The power supply should be positioned on a stable surface so that it will not fall to the ground due to vibrations.
- The power supply should be used in a place away from high voltage sources and noise generating sources so as to avoid electromagnetic interference.
- No objects should be placed on top of the power supply. Also, no objects should be placed in the immediate vicinity of the power supply so that it may dissipate heat effectively.

Before use, read the following:

- The A2 model (with 6 pins) is not compatible with the models of A6, APT-65 and APT-70S. Which they are with 6 pins output terminal.
- Proper voltage (115 VAC or 230 VAC) should be provided. If the voltage varies beyond the range of 20%, you should solve the matter by consulting with your local distributor.
- The electric plug is provided with a grounding pin, which should be inserted in a socket that is properly grounded so as to avoid electric shocks.
- Before you use the power supply, you should insert the plug into a socket in a tight and secure manner.
- When you want to disconnect the power supply from a socket, you should do so by holding the plug, not the AC power cord, so as to avoid damages to the cord.
- When plugging in or unplugging the power cord, hold the plug firmly. Never pull on the cord.



- When you intend to use the power supply at “Lo” (low speed), please operate it with the torque less than 70% of the nominal maximum torque output so as to ensure the proper operation of the clutch.
- The output terminal (5 pins or 6 pins) (the number one pin is the negative and the number four pin is the positive) is designed for the electric screwdriver only and must not be used for other purpose.
- When the power supply is not in use, you should turn off the power switch. If the power supply will not be used for a long time, you should disconnect the plug from the socket and safe-keep it in a proper manner.

Troubleshooting

If the screwdriver does not work properly, check the list below. If you cannot solve the problem do not open the unit. Contact one of our authorized agents as soon as possible.

- If the power indicator can not light up, you may:
 - Check whether the AC plug is tightly inserted into a socket.
 - Check whether the fuse on the primary is burnt; if yes, please replace it with a fuse of the same type.
Notice: Before you replace the fuse, you should disconnect the AC plug from the socket.
- If the electric screwdriver can not rotate, you may:
 - Check out terminal of power supply whether the voltage between no. 1 pin and no. 4 pin is 30 or 35 VDC; if not, the power supply should be replaced or the start relay in the power supply should be replaced (this is applicable only to the electric screwdriver with 6 pin input terminal).
 - Notice: If the power supply is with 6 pin output terminal, you should short out no. 3 pin and no. 5 pin and start the screwdriver operation before you measure the voltage, between no.1pin and no.4pin.
 - Check if there is a discontinuity between the two ends of the connecting wire by measuring “5P” to “5P” or “6P” to “6P”; if yes, the connecting wire should be replaced or the connector (especially the side of the electric screwdriver) should be replaced.
 - Check whether the connecting points of the relay which it work on the brake circuit are melted (so that it can not be activated from “NO” to “NC”)
 - Method of checking: Shake the power supply up and down for two to three times. If you hear a clicking sound, this means that one of the points is loose. In this case, the relay should be replaced by a technician.
- If the electric screwdriver can not stop rotating, you may:
 - Check whether the connecting points of the relay which it work on the start circuit are melted and can not disengage (from “NO” to “NC”)
 - Method of checking: Shake the power supply up and down for two to three times. If you hear a clicking sound, this means that one of the points is loose. In this case, the relay should be replaced by a technician.
- If the electric screwdriver can not stop when reaching a preset torque value, you may:
 - Check whether the connecting points of the relay which it work on the brake circuit are melted from “NC” to “NO”.
 - Method of checking: Shake the power supply up and down for two to three times. If you hear a clicking sound, this means that one of the points is loose. In this case, the relay should be replaced by a technician.

Warranty

- We provide a one-year free repair service warranty with this product. The warranty is good for one year from the date of purchase entered on the Product Information Form. The retailer’s stamp must appear on the form to confirm the date. However, the following circumstances we will charge the user for any parts and labor cost associated with repairs.
- For repairs involving normal wear to parts including carbon brushes, bits and power cord, and also to the exterior surface.
 - Improper use of the electric screwdriver may cause a discontinuity between the two ends (“5P” to “5P” or “6P” to “6P”) of the power line.
 - If the screwdriver was connected to a power source of the incorrect voltage.
 - If there was inappropriate use or an attempt to repair the unit by the user.
 - After the period of the guarantee, or if the user cannot present the manual with stamped Product Information Form.

Retailer's Stamp	
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