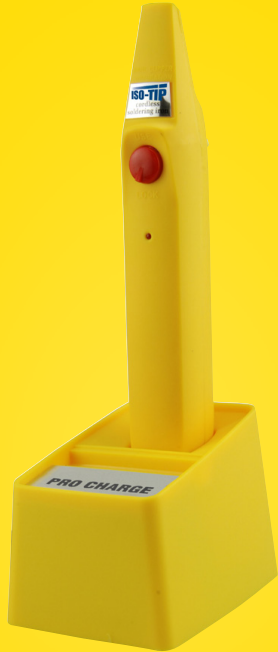


MODEL #7800  
SMART SOLDER SERIES

# "60" Pro Charge

Soldering iron kit



## Instruction Manual

The industry's fastest rechargeable soldering iron specifically designed with the professional in mind.

### Kit includes

"60" Pro Charge soldering iron  
Recharging stand  
Ni-Cd battery  
#7577 standard chisel tip  
Instructions  
One-year limited warranty

### Unsurpassed performance

Fully recharges in one hour  
Up to 125 solder joints per charge during continuous use  
Battery recovers rapidly when returned to stand between uses

## IMPORTANT SAFEGUARDS

When using your Iso-Tip soldering iron tool, basic precautions should always be followed.

### READ ALL INSTRUCTIONS BEFORE USING.

### DANGER

To reduce the risk of electric shock:

1. Do not place or drop into water or other liquid.
2. Except when charging, unplug this appliance from the electrical outlet when not in use.
3. Unplug the recharging stand before cleaning.

### WARNING

To reduce the risk of burns, fire, shock or injury:

1. Close supervision is necessary when this tool is used by or near children.
2. Use this tool only for its intended use as described in this manual.
3. Never operate this tool if the recharging stand cord is damaged. If it is not working properly, if it has been dropped or damaged, return to Iso-Tip for examination and repair.
4. Do not carry the recharging stand by cord.
5. Keep the cord away from heated surfaces.
6. Do not use outdoors in inclement weather conditions.
7. Do not hold the tip when pushing the button.
8. Do not use this tool with damaged or broken attachments. Injury may occur.
9. When you finish soldering, make sure to rotate button back to lock position.
10. Do not allow metal object to touch or "short" across the recessed charging contact points. The metal could get very hot.
11. Do not lay against any surface after using until the tip has cooled.
12. Do not attempt to charge this unit with any charger other than the one supplied with it.
13. Some dust created by power sanding, sawing, grinding, drilling and other construction activities contain chemicals known in the State of California to cause cancer, birth defects or other reproductive harm. Examples include lead, crystalline silica, arsenic and chromium. Your risk from these exposures vary depending on how often you do this type of work. To reduce your exposure with these chemicals, work in a well-ventilated area and with approved safety equipment such as dust masks designed to filter out microscopic particles.
14. Repeated heat cycling will reduce solder joint reliability.
15. Disturbing the internal wires or thermostat may result in battery overheating.

## INSTRUCTIONS

### PROPER USE AND MAINTENANCE

1. The iron should be used frequently to insure a longer life of its batteries. It is a good practice to completely discharge the batteries by normal use about once a month. If this is not done, the batteries will gradually lose their maximum capacity. NOTE: When discharging, DO NOT hold the iron continuously in the ON position without a heat sink to prevent abnormally high tip temperature.
2. For fast and accurate soldering, a clean and well-tinned tip is required. Heat and gently wipe with a rag or an emery cloth to clean up. Re-iron to minimize oxidation. Use good quality solder. Apply solder only at the point of the tip. All tips should be kept tinned for fast heat transfer and longest tip life.
3. Tip temperature can be controlled by pressing the button momentarily off and on in use. This may be necessary when working with micro printed circuits.

### OPERATING YOUR SOLDERING IRON

1. Turn switch button to "USE" position.
2. Depress button to operate.
3. When not in use, turn button to "LOCK" position.

### SOLDERING ON PRINTED CIRCUIT BOARDS, WIRING AND GENERAL WORK

1. Make sure work is clean and make a good mechanical connection where possible.
2. Remove the tool from its recharging stand, depress pushbutton, wait 10 seconds and then apply tip to joint that is to be soldered.
3. Now immediately apply solder at the point of the tip and the joint so that melted solder will help in heat transfer.
4. When solder flows and has wetted connection, remove solder and soldering iron and release pushbutton.
5. Soldering cycle should be completed within 15 seconds.
6. Check your work; a good solder joint should look smooth and bright.
7. After connection has cooled, trim excess wire.

### INSTALLING TIP

1. Align tip leads over the terminal holes.
2. Push inward and upward until tip is fully seated.
3. To remove, pull straight out.

NOTE: Standard tips used in a fully charged and properly maintained soldering iron will provide a total of 12 to 15 minutes of heating time. Heavy Duty tips have a heating time of approximately 10 minutes.

## INSTRUCTIONS

### RECHARGING

The recharging stand is designed to be operated on 120 volts AC for 50 to 60 cycles.

1. Fully charge the soldering iron before using it for the first time.
2. Only charge the yellow Smart Solder "60" Pro Charge with the yellow recharging stand.
3. Leave the soldering iron in the recharging stand when not in use. NOTE: The soldering iron will not overcharge if left in the stand.
3. To recharge place the soldering iron in the recharging stand with the push button toward toward the front.
4. The soldering iron will recharge from "dead" to "full charge" in 60 minutes. NOTE: It will take an additional 30 minutes (approximately) to trigger the LED light.
5. After using the soldering iron, push down on the thermostat reset switch located on the front of the tool. This will allow the soldering iron to charge at the fastest rate possible while maximizing heating time. NOTE: The thermostat will not reset until the batteries cool for at least 10 to 15 minutes after use.

### REPLACEMENT PARTS

#### TIPS

These tips can be used with the "60" Pro Charge:

#### Long-Life Tips

7483 Fine 1/16"  
7484 Micro 1/64"  
7482 Ultra .10-.15"

#### Standard Tips

7546 Heavy Duty 3/16"  
7535 Regular 5/32"  
7577 Chisel 5/32"  
7572 Blunt 5/32"

#### High Efficiency Tips

7546-100 Heavy Duty 3/16"  
7535-100 Regular 5/32"  
7577-100 Chisel 5/32"  
7579-100 Bevel 3/32"  
7545-100 Fine 1/16"  
7566-100 Micro 1/64"  
7566-100 Micro 1/64"

#### 7579 Bevel 3/32"

7545 Fine 1/16"  
7571 Fine Bevel 1/16"  
7591 Extended Micro  
1/64" w/ 1 1/8" length

7596 Knife 1/4" length

### BATTERY

The soldering iron is shipped uncharged. Fully charge the iron before using it for the first time.

The "60" Pro Charge uses a nickel-cadmium (Ni-Cd) battery which must be disposed of properly. The "60" Pro Charge Replacement Battery is part number 7833 and available at [www.iso-tip.com](http://www.iso-tip.com).

### ONE-YEAR LIMITED WARRANTY

If your Iso-Tip tool fails to operate satisfactorily within one year from the date of the original purchase or receipt as a gift Iso-Tip will, at our option, repair or replace the tool and return it to you. Call (715) 831-6353 to receive an authorization code and further instructions.

Tools worth discovering

[www.iso-tip.com](http://www.iso-tip.com)

# ISO-TIP

Questions? Reach us Monday through Friday,  
8 a.m. until 4 p.m. CST at (715) 831-6353.