



MCH-116KIT 48VDC SOLDERING IRON

The MCH-116 Kit Portable Battery Powered Soldering Iron consists of a 50 watt heating element, ergonomic wooden handle, three (3) interchangeable cone, bevel, and chisel tips, and a quick disconnect connector compatible with the MCH-100-A Battery Powered Heat Gun Kit Power Supply (PN: MCH-102NW).

To use:

1. Plug into a fully charged MCH-102NW Power Supply included in the MCH-100-A/AB/C Kit. The iron can be run continuously on a full charger for +4hrs (36 - 52 VDC, 50 Watts, 0.6-0.9 Amps).
2. Turn the Power Supply switch to ON to power the soldering iron. Allow 6-8 minute initial ramp-up period for the iron to achieve operational temperature between 600-1000F depending on the chosen tip and battery state of charge.
 - a. +595° F to +936° F (w/ cone tip)
 - b. +595° F to +897° F (w/ chisel tip)
 - c. +665° F to +1000° F (w/ bevel tip)

Your MCH-116Kit is a valuable tool and should be treated as such:

1. Keep the tip fully inserted in core cavity and keep tip-holding screw tight.
2. Keep tip clean and working surface well tinned at all times.
3. Use flux no stronger than necessary for the job. Keep flux from upper portion of tip.
4. Never cool by immersing in water or other liquid. Place Hot Iron tip side down in thermal pocket of MCH-110 Carry Bag included in MCH-100-A/AB Kits.
5. Do not strike or hammer iron against other objects to remove excess solder from tip. Wipe off excess solder on damp cloth, sulfur-free cellulose sponge, etc.
6. Do not disassemble iron while connecto to electric power.
7. Maintain cords free of kinks to prolong life.
8. Disconnect iron from current source when not in use.
9. With iron disconnected from current source, remove tip frequently and clean tip shank and inside of core cavity of accumulated oxides.