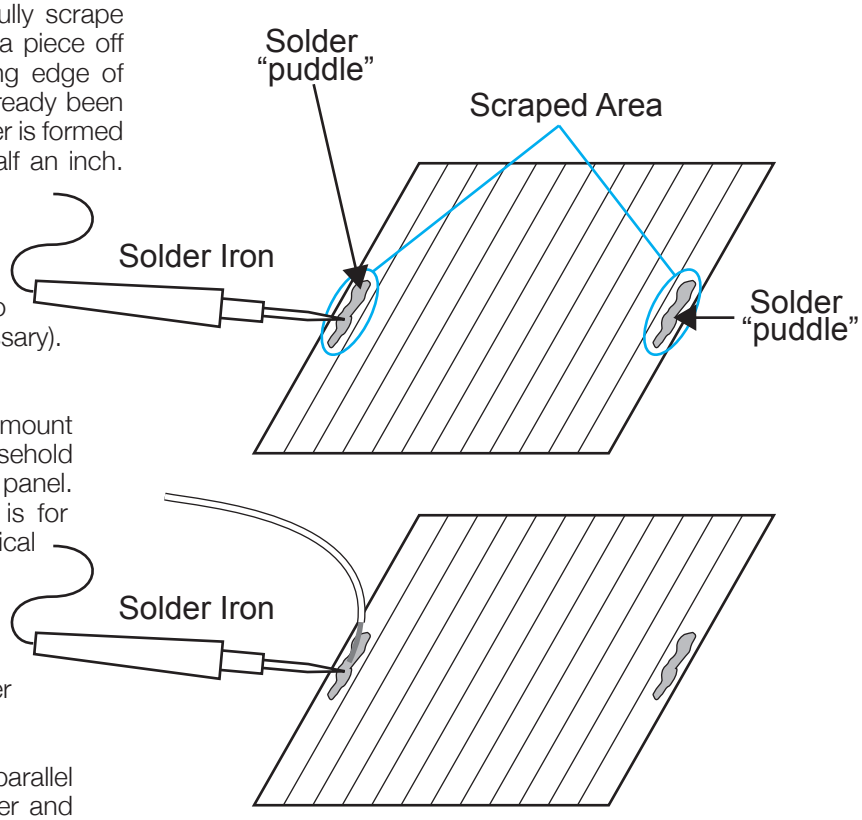
ELECTRONIC GOLDMINE

Soldering Tabs to Solar Panels

G18153

Congratulations on the purchase of this quality Solar Panel assortment.
Please observe these guidelines to obtain reliable free energy from the Sun.

1- These panels have a plastic insulating coating, carefully scrape the grey surface lightly to remove before soldering. Cut a piece off the special solder. Place piece of solder over area along edge of metallized glass strip on panel where the backing has already been scraped. Heat with a solder iron tip until a "puddle" of solder is formed –you may have to move the tip back and forth about half an inch. Allow to cool. Repeat for other edge of panel.



2- Now place your wire lead on top of the dry solder puddle. Heat the exposed wire that is directly over the solder puddle until the puddle melts attaching the lead to the panel (apply additional regular rosin core solder if necessary). Repeat for the other side of the panel.

3- After both leads have cooled down, spread a liberal amount of the contact adhesive/sealant called "All Purpose Household GOOP™" over the part of the lead that is attached to the panel. This provides mechanical strength as the solder alone is for electrical connection and does not provide enough mechanical strength.

4- After the "GOOP™" dries, use a voltage meter to test the polarity of the solar panel in direct sunlight. We recommend marking them "+" and "–" with a felt tip marker for future use.

5- Optional: You can wire or solder the glass solar panels in parallel to increase current by connecting their "+" leads together and their "–" leads together. Voltage can be increased by connecting the glass solar panels in series.