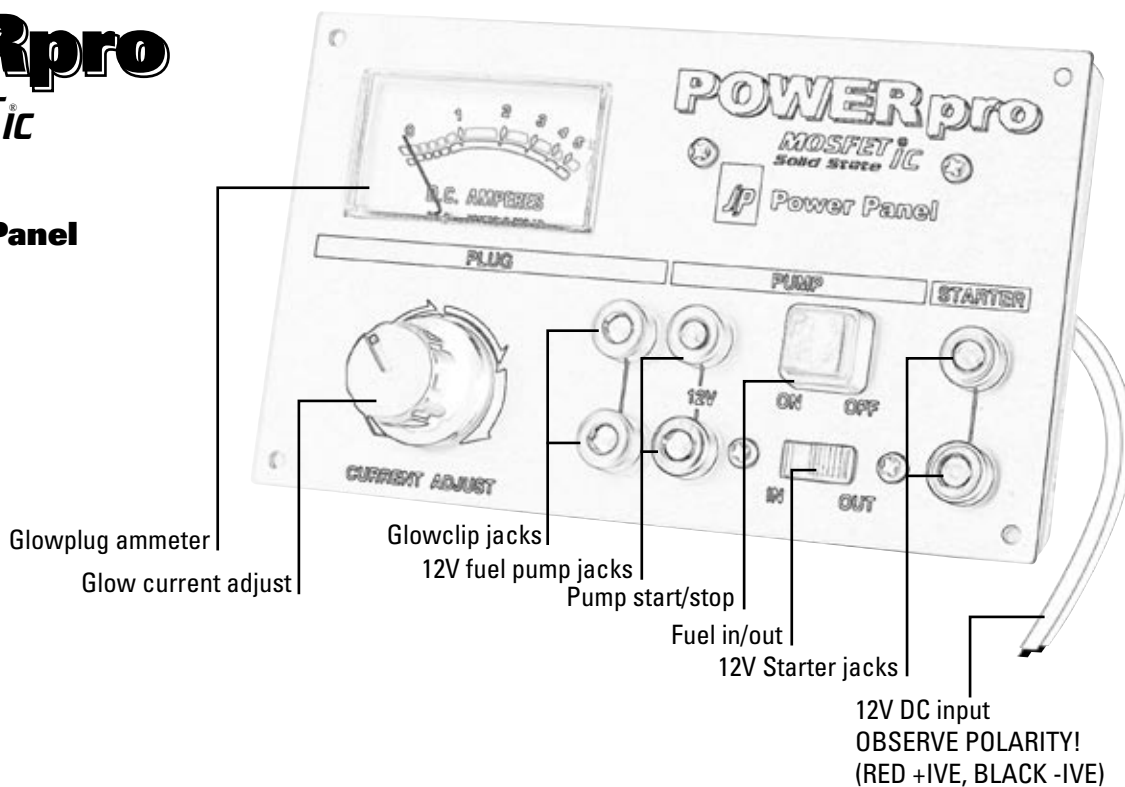


# POWERpro

MOSFET<sup>®</sup> IC  
Solid State



Power Panel



## JP POWERpro Features

- Solid state IC design can be used with any wet or sealed 12v battery.
- Switch selectable fuel direction for fuelling or draining.
- Push on/Push off power switch for convenient starting or stopping the pump.
- State of the art IC controlled variable pulse, which will drive the plug to desired brightness even when the engine is flooded. Features short circuit and reverse polarity protection.
- Jack plug connectors can be used with banana jacks from starter, fuel pump or glow plug clip on the connectors.
- Glow plug driver circuitry consumes negligible current (only 0.5 Amp) which effectively extends battery life 5 times.
- No current drain when not in use—allows panel to be connected permanently to battery.
- Easy to read meter for monitoring glowplug current.
- Three sets of connectors are supplied:
  - 12v starter connectors
  - 12v fuel pump connectors
  - Glowclip connectors

## WARNING

Your Jp POWERpro panel contains many electronic parts.

**DO NOT USE UNDER EXTREMELY HIGH TEMPERATURES OR IN DIRECT SUNLIGHT. PROTECT FROM WATER.**

**READ OPERATING INSTRUCTIONS CAREFULLY BEFORE USING YOUR JP POWERpro PANEL**

**DO NOT TOUCH the rear wiring and electric components which may be very hot! DO NOT MOVE the variable resistors!**

## DIRECTIONS

1. Your JP POWERpro panel is designed to use banana plugs in its external jacks. Most fuel pumps, starters, and glowplug connectors use crocodile clips which must be removed and replaced with banana plugs.
2. Remove the leads of your pump, starter, and glow connector. Leave the leads as long as possible. Always observe proper polarity, i.e. red=(+), black=(-) when installing plugs.
  - (a) Strip the wire insulation 2mm from tip and twist the copper wires.
  - (b) Screw off the plastic cap of your banana plugs and insert wire through cap.
  - (c) Solder the wire to the inside of the banana plug.
  - (d) Screw on the plastic cap over the metal threads of the banana plug connector.
3. Install the POWER PANEL using the provided wood screws. MOUNT THE POWER PANEL IN A POSITION ON YOUR FIELD BOX WHERE METAL OBJECTS CANNOT COME INTO CONTACT WITH THE REAR SIDE OF THE PANEL. Be sure to use the supplied plastic shield as a safeguard against accidental short circuits.
4. Connect the Power Panel to your 12v battery:
  - (a) Plug in your starter to 12v starter jacks, the pump to the 12v pump jacks, and glowclip into the 1.5v plug jacks.
  - (b) For 12v fuel pump, select the direction of fuel flow with the slide switch (IN for filling, OUT for draining), then use the Red push button switch for starting or stopping the pump.
5. Remove the plug from your engine and attach the glowclip, then adjust the current adjust knob for the optimum brightness (cherry red) for the type of plug used. We suggest that initially you set the current adjust knob on the LOW side and slowly turn it up. (Note that different brands of glow plugs will give different indications on the meter.) Note the current indication on the meter and repeat this setting for each plug of that same type in the future.
6. YOU ARE NOW READY TO USE YOUR JP POWERpro PANEL.