Shunt and Wiring kits: A shunt is necessary in order to measure amps with battery monitor. A shunt is an accurate, very low resistance resistor which is placed "in line" with the wire carrying the current to be measured. It is usually placed in the negative wire from the battery bank, such that all the current going into the battery (charging) or out (discharging) must pass through it. Connected in this way it will be set up to monitor "net" amps in and out of the battery. (It also could be placed in series with the negative wire coming from a solar array--or other charging source--in which case it would measure only the solar array or wind current. The shunt needs to be placed near the batteries; since these wires carry very high currents the wires from the batteries must be kept short to minimize electrical losses.

The SWK-120 Shunts and Wiring kit is required if you need to measure current up to + or -100 AMPS.

For systems with maximum current 65 amps continuous with no overloads, or 50 amps continuous with overload to 100 amps for 8 seconds max. These are suitable for small systems, or for most applications where you want to measure only solar or wind turbine input current. It allows "amps" readings as low as 0.1 amp.

Kit includes:
-100 Amp. Marine Grade Shunt
-25 feet PVC jacketed, tinned, flexible marine grade wire for exact calibration of your instrument
-Connectors to shunts and battery poles

The SWK-520 Shunts and Wiring kit is required if you need to measure current up to + or -500 AMPS.

For systems with maximum current 300 amps continuous with no overloads, or 250 amps continuous with overload to 500 amps for 8 seconds max. These are suitable for high current Inverters consumption, charging alternator, solar panels, wind turbines and NET Amps. It allows "amps" readings as low as 1 amp.

Kit includes:
-500 Amp. Marine Grade Shunt
-25 feet PVC jacketed, tinned, flexible marine grade wire for exact calibration of your instrument
-Connectors to shunts and battery poles