



Installation and User Guidelines SunMate Solar Energized Battery Boxes

- The SunMate's SMBB's are designed to maintain a charge on 12 volt rechargeable batteries only. Do not recharge dry cell.
- It should be mounted in an area where it will receive maximum exposure to the sun without any shading.
- Any surface dirt or dust should be removed with a soft cloth and water or glass cleaner. Do not use any harsh chemicals.
- Battery to be installed should be secured inside box as to prevent chaffing and possible damage to the battery or box.
- Red wire is positive and black wire is negative.
- The current output will vary throughout the day depending on the intensity of the sun.
- When measuring voltage output of the SMBB, be aware that when the output leads are not connected to the battery, you will experience a reading in excess of 40 VDC. This reading is normal.
- All units are equipped with a blocking diode to prevent discharging of the battery at night or when solar panel is obstructed from light.
- It is recommended to install a fully charged battery. Should the battery become discharged from use or from some electrical system problem, it is recommended to manually recharge the battery.
- Should you have any questions on the SunMate or any other application of solar, please feel free to contact us.