

MidNite Solar SOB Specifications

| | MNSOB3R-2P | MNSOB3R-4P | MNSOB4X-2P | MNSOB4X-4P |
|--|---|---|---------------------------------|---------------------------------|
| Maximum Volts | 600 | 600 | 600 | 600 |
| Fuses/Fuse holders | Not Required | Not Required | Not Required | Not Required |
| Deadfront - Clear | YES | YES | YES | YES |
| Lug Temperature Rating | 90° C | 90° C | 90° C | 90° C |
| Strain Reliefs & Hole Plugs | NO | NO | YES | YES |
| Enclosure Rating | Type 3R | Type 3R | Type 4X | Type 4X |
| Enclosure - Powder Coated Aluminum | YES | YES | YES | YES |
| Number of PV Circuits | Two 1+ & 1- | Four 2+ & 2- | Two 1+ & 1- | Four 2+ & 2- |
| Maximum String Fuse Rating | 20 Amp | 20 Amp | 20 Amps | 20 Amp |
| Output Switch Rating | 100 Amp switch | 100 Amp switch | 100 Amp switch | 100 Amp switch |
| Positive Feed back | YES | YES | YES | YES |
| Optional Power Supply Board (MNDiscoPSB) | YES | YES | YES | YES |
| Strings In | ONE | TWO | ONE | TWO |
| Strings Out | ONE | TWO | ONE | TWO |
| Lockable | YES | YES | YES | YES |
| Listed To UL & CSA | UL1741 & C22.2 | UL1741 & C22.2 | UL1741 & C22.2 | UL1741 & C22.2 |
| Output Wire Range | 10 AWG (2.59mm) | 10 AWG (2.59mm) | 10 AWG (2.59mm) | 10 AWG(2.59mm) |
| Wire Range for String Input | 14 to 10 AWG (1.63mm to 2.59mm) | 14 to 10 AWG (1.63mm to 2.59mm) | 14 to 10 AWG (1.63mm to 2.59mm) | 14 to 10 AWG (1.63mm to 2.59mm) |
| Mounting Options and Angle | Vertical wall mount, pole mount or sloped roof mount to 14 degrees incline (3 in 12 roof pitch) | Vertical wall mount, pole mount or sloped roof mount to 14 degrees incline (3 in 12 roof pitch) | Any orientation | Any orientation |