SB 5000US / SB 6000US / SB 7000US



- Certified to the new UL 1741/IEEE 1547
- > 10 yr. standard warranty
- Highest CEC efficiency in its class
- Integrated load-break rated AC and DC disconnect switch
- Integrated fused series string combiner
- Sealed electronics enclosure & Opticool
- Comprehensive SMA communications and data collection options
- Ideal for residential or commercial applications
- Sunny Tower compatible



Sunny Boy 5000 / 6000 / 7000

The best in their class

SMA is proud to introduce our new line of inverters updated with our latest technology and designed specifically to meet the new IEEE 1547 requirements. The SB6000U and SB7000U are also compatible with SMA's new Sunny Tower. Increased efficiency means better performance and shorter payback periods. All three models are field-configurable for positive ground systems making them more versatile than ever. With over 500,000 fielded units, Sunny Boy has become the benchmark for PV inverter performance and reliability throughout the world.



Technical Data Sunny Boy 5000 / 6000 / 7000

| SB 5000US | SB 6000US | SB 7000US |
|--|--|--|
| | | |
| 6250 W | 7500 W | 8750 W |
| 600 V | 600 V | 600 V |
| 250 - 480 V | 250 - 480 V | 250 - 480 V |
| 21 A | 25 A | 30 A |
| < 5% | < 5% | < 5% |
| 4 | 4 | 4 |
| 300 V | 300 V | 300 V |
| | | |
| 5000 W | 6000 W | 7000 W |
| | | 7000 W |
| | | 34 A, 29 A, 25.3 A |
| | | 183 - 229 V @ 208 V |
| | | 211 - 264 V @ 240 V |
| | | 244 - 305 V @ 277 V |
| | | 60 Hz / 59.3 Hz - 60.5 Hz |
| 1 | 1 | 1 |
| , | - I | |
| 968% | 970 % | 97.1 % |
| | | 95.5 % @ 208 V |
| | | 96.0 % @ 240 V |
| | | 96.0 % @ 277 V |
| 93.3 % @ 277 V | 90.0 % @ 277 V | 90.0 % @ 277 V |
| 18.4 × 241 × 0.5 | 18.4 × 241 × 0.5 | 18.4 x 24.1 x 9.5 |
| | | 143 lbs / 154 lbs |
| - | · · | -13 to +113 °F |
| | | < 7 W / 0.25 W |
| | · · | PWM, true sinewave, |
| · · | | current source |
| | | |
| | | Convection with regulated fan cooling |
| | | |
| U / U | U / U | ●/● |
| | | • |
| | 1 01010 | |
| | | •/O/O/O |
| · · | '_ | 0/0 |
| | | |
| • | | |
| ● Inclu | ded Option – Not av | ailable |
| | · · | |
| of for any to support to the support | or also copy for the large state of the large state | and FFD promote Topic of the control |
| | 6250 W 600 V 250 - 480 V 21 A < 5% 4 300 V 5000 W 5000 W 24 A, 20.8 A, 18 A 183 - 229 V @ 208 V 211 - 264 V @ 240 V 244 - 305 V @ 277 V 60 Hz / 59.3 Hz - 60.5 Hz 1 96.8 % 95.5 % @ 208 V 95.5 % @ 240 V 95.5 % @ 277 V 18.4 x 24.1 x 9.5 143 lbs / 154 lbs -13 to +113 °F < 7 W / 0.25 W PWM, true sinewave, current source Convection with regulated fan cooling | 6250 W 7500 W 600 V 250 - 480 V 250 - 480 V 21 A 25 A < 5% < 5% < 5% 4 4 4 300 V 300 V 5000 W 6000 W 5000 W 6000 W 24 A, 20.8 A, 18 A 29 A, 25 A, 21.6 A 183 - 229 V @ 208 V 211 - 264 V @ 240 V 244 - 305 V @ 277 V 60 Hz / 59.3 Hz - 60.5 Hz 1 1 1 96.8 % 97.0 % 95.5 % @ 208 V 95.5 % @ 240 V 95.5 % @ 240 V 95.5 % @ 277 V 184 × 24.1 × 9.5 143 lbs / 154 lbs -13 to +113 °F < 7 W / 0.25 W PWM, true sinewave, current source Convection with regulated fan cooling • / • • • • • • • • • • • • • • • • • |