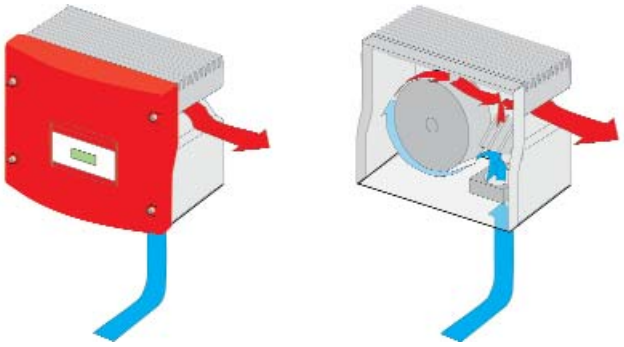
Sunny Boy™ 3300U

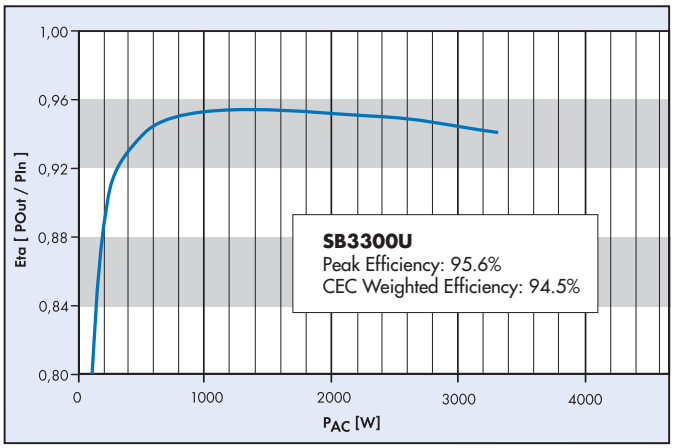
Introducing the latest addition to the SMA line of Sunny Boys

- Exceptional efficiency
- Outstanding reliability and energy capture ratio
- LCD display included
- 5-year comprehensive warranty - extended warranty available
- Rugged cast aluminum outdoor rated enclosure
- Easy to install integrated wall mount bracket system
- Compatible with the SMA family of communications and data collection options
- Very quiet operation
- UL Listed to 1741

First there was the Sunny Boy 3800U. Now, the latest addition to the Sunny Boy Family, the new Sunny Boy 3300U PV inverter. Over two decades of engineering experience has culminated with the creation of the SB3300U. Its new cast aluminum enclosure means lighter weight and better heat transfer for sensitive components. New construction and design techniques allow SMA to set the bar even higher when it comes to real-world efficiency and overall reliability. The new SB3300U, evidence that the pioneering spirit is alive and well at SMA. Sunny Boy. Ask for it by name!



New Opticool™ airflow design
Sealed electronics with active cooling



Like its big brother, the Sunny Boy 3800U, SMA's new 3300 watt inverter processes solar energy at an unparalleled 95.6% efficiency and is the second in a new generation of inverters to be released in America. These new SMA inverters incorporate a cast aluminum housing used to separate the control and power electronics. This new chassis design is incredibly rugged, lightweight and weatherproof. The power electronics compartment integrates SMA's new Opticool™ airflow technology where cool air is drawn in through the bottom of the enclosure by convection, drawn around the power electronics where the air absorbs heat and is then released through a side vent. When required, this process is assisted by a temperature controlled fan. The built in meter displays system status as well as the solar energy being produced by the power plant and other key information on the LCD screen. Several meter and software options are available from your SMA supplier.

Specifications

Inverter Technology	Real sine-wave, current source, high frequency PWM
AC Voltage	211 - 264 (240 V)
AC Frequency	59.3 - 60.5 (60 Hz)
AC Maximum Output Power @ 45°C	3300W @ 240 VAC
AC Maximum Output Current	16 AAC
DC Maximum Input Voltage	500 VDC
DC MPPT Voltage Range	200 - 400 VDC @ 240 VAC
DC Voltage Ripple	<10%
DC Maximum Input Current	20 ADC
PV Start Voltage (Adjustable)	264 VDC @ 240 VAC
Maximum Recommended PV Power	4200 Wp
Max. PV Array Short Circuit Current	30 ADC
Current THD	<3%
Power Factor	> 0.99 @ nominal power
Peak Inverter Efficiency	95.6%
CEC Weighted Efficiency	94.5%

Cooling	Convection, forced
Power Consumption	0.1 W nighttime <7 W in operation
Ambient Temperature Rating	Up to 45°C (113°F) ambient at 3300W output power Up to 60°C (140°F) ambient at reduced power
Enclosure	NEMA 3R
Dimensions	17.8W x 13.8H x 9.3D in. (452W x 351H x 236D mm)
Weight	85 lb. (38.4 kg.)
Shipping Weight	98 lb. (44.5 kg.)
Compliance	UL 1741, E210376, IEEE 519, IEEE 929, FCC Part 15 A & B

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Solar Today...
Energy Tomorrow

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