

SB 3300TL HC

Efficient

- > Efficiency up to 96 %
- > Transformerless

Safe

- > Integrated ESS DC load disconnecting unit
- > Worldwide SMA service including Service Line
- > Attractive SMA warranty program



SUNNY BOY 3300TL HC

Flexible and powerful

The transformerless topology of the Sunny Boy 3300TL HC offers two significant advantages: a high level of efficiency and easy installation due to the low overall weight. The device also offers impressive flexibility of application. Due to its broad input voltage range and input current range, all standard crystalline modules can be combined with the Sunny Boy 3300TL HC. In addition, the IP 65 protection rating and the first-class temperature management enable the device to be used under extreme climatic conditions. The integrated DC load-disconnecting switch saves the system operator the cost of an external switching device. The Sunny Boy 3300TL HC is also equipped with an all-pole sensitive leakage current monitoring unit, which guarantees safe operation at all times. As with all Sunny Boys, the SB 3300TL HC is also compatible with SMA communication products.

Technical data

SUNNY BOY 3300TL HC

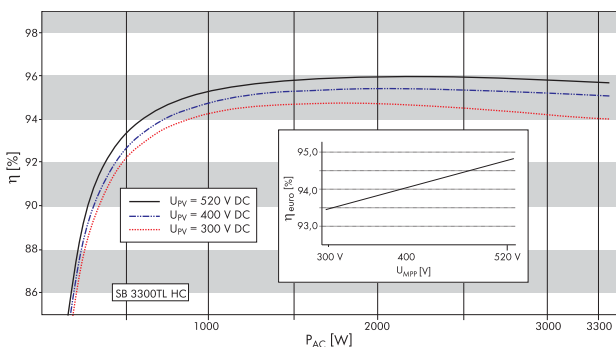
	SB 3300TL HC	
Input (DC)		
Max. DC input power	3440 W	
Max. DC voltage	750 V	
PV voltage range, MPPT	125 V - 600 V	
Max. input current	11 A	
Number of MPP trackers	1	
Max. number of strings (parallel)	2	
Output (AC)		
Nominal AC output power	3000 W	
Max. AC output power	3300 W	
Max. output current	16 A	
Nominal AC voltage / range	220 V - 240 V / 180 V - 260 V	
AC grid frequency / range	50 Hz / 45.5 Hz - 52.5 Hz	
Power factor (cos φ)	1	
AC connection	single-phase	
Efficiency		
Max. efficiency	96.0 %	
Euro ETA	94.6 %	
Protective equipment		
DC reverse polarity protection	●	
DC load-disconnecting switch ESS	●	
AC short-circuit tolerance	●	
Ground fault monitoring	●	
Grid monitoring (SMA grid guard)	●	
Integrated all-pole sensitive leakage current monitoring unit	●	
General data		
Dimensions (W / H / D) in mm	470 / 490 / 225	
Weight	28 kg	
Operating temperature range	-25 °C ... +60 °C	
Noise emission (typical)	≤ 29 dB(A)	
Operating consumption: Operating (standby) / night	<10 W / 0.25 W	
Topology	transformerless	
Cooling concept	convection	
Mounting location: indoor / outdoor (IP65)	●/●	
Features		
DC connection: MC3 / MC4 / Tyco	●/○/○	
AC connection: screw terminal	●	
LCD display	●	
Cover color: red	●	
Interfaces: RS485 / radio	○/○	
Warranty: 5 years / 10 years	●/○	
Certificates and approvals	www.SMA.de	

● Standard equipment ○ Optional

Data at nominal conditions

Version: April 2009

Efficiency curve



Accessories



USB interface for data transmission to PC and charging of the batteries



Easy and intuitive operation with the rotating pushbutton



Compact and lightweight
Dimensions: 127 x 75 x 195 mm
Weight: approx. 350 g

Wireless communication with the inverters



Large easy-to-read LCD display

