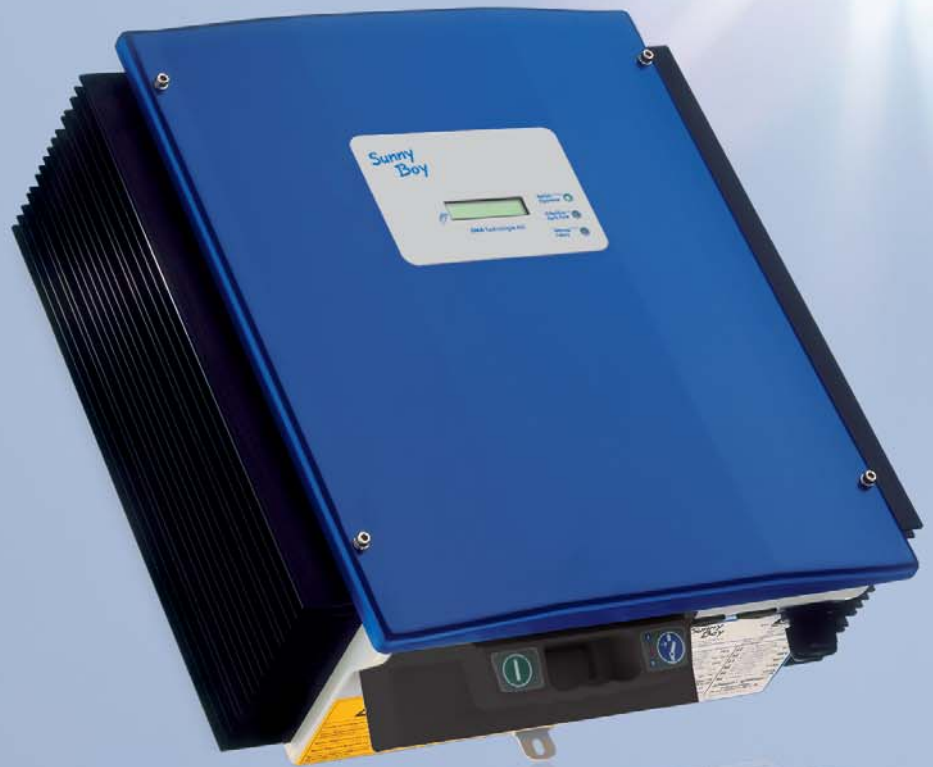


- > HC technology
- > Transformerless
- > 96 % efficiency
- > Integrated ESS DC load disconnecting switch
- > Worldwide SMA service and SMA hotline
- > Extended SMA warranty



## SUNNY BOY 3300TL HC

Even more flexible due to high current input ports

Today, solar cells whose size makes it possible to generate more power with the same module surface area are being used increasingly often in solar power system configurations. Combining broad input ranges for voltage and current, the SB 3300TL HC is suitable for connection to all standard crystalline PV modules. An excellent 96 % efficiency rate and generously dimensioned heat sinks, which enable grid feeding within a wide range of temperatures, guarantee high yields.

# Technical Data

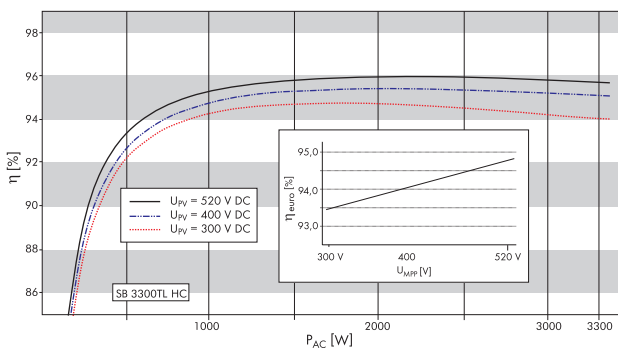
## Sunny Boy 3300TL HC

	SB 3300TL HC	
<b>Input (DC)</b>		
Max. DC output	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	
<b>Output (AC)</b>		
Nominal AC output	3000 W	
Max. AC output	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	
<b>Efficiency</b>		
Max. efficiency	96.0 %	
Euro ETA	94.6 %	
<b>Protective equipment</b>		
DC reverse polarity protection	●	
DC load disconnecting switch ESS	●	
AC short-circuit proofing	●	
Ground fault monitoring	●	
Grid monitoring (SMA grid guard 2)	●	
Integrated all-pole sensitive RCD	●	
<b>General data</b>		
Dimensions (W / H / D) in mm	470 / 490 / 225	
Weight	28 kg	
Operating temperature range	-25 °C ... +60 °C	
Consumption: operating (standby) / night	<10 W / 0.25 W	
Topology	transformerless	
Cooling concept	convection	
Installation location: indoor / outdoor (IP65)	● / ●	
<b>Features</b>		
DC connection: MC3 / MC4 / Tyco	● / ○ / ○	
AC connection: screw terminal	●	
LCD display	●	
Cover color: red / blue / yellow	● / ○ / ○	
Interfaces: Powerline / RS232 / RS485 / radio	○ / ○ / ○ / ○	
Warranty: 5 years / 10 years	● / ○	
Certificates and approvals	www.SMA.de	

● Included ○ Option

Values apply for nominal conditions

### Efficiency curve



### Accessories

