

Sunny Boy SB 3300TL HC



For the big boys



Transformerless with integrated all-pole sensitive leakage-current breaker

Extended current range 11 A

Additional parallel input

Increased yield with HC technology

SMA grid guard® 2:
Automatic disconnection

Diagnosis and communication via Powerline, radio and cable (RS232 or RS485)

Electronic Solar Switch ESS:
Integrated DC circuit breaker (optional)

Extended temperature range
-25 °C to +60 °C

For installations outdoors and indoors

Today, solar cells are increasingly being used in solar power system configurations that due to their size are able to generate more power with the same module surface area. Combining a broad input voltage range and a broad input current range, the SB 3300TL HC is suitable for the connection of all standard crystalline PV modules.

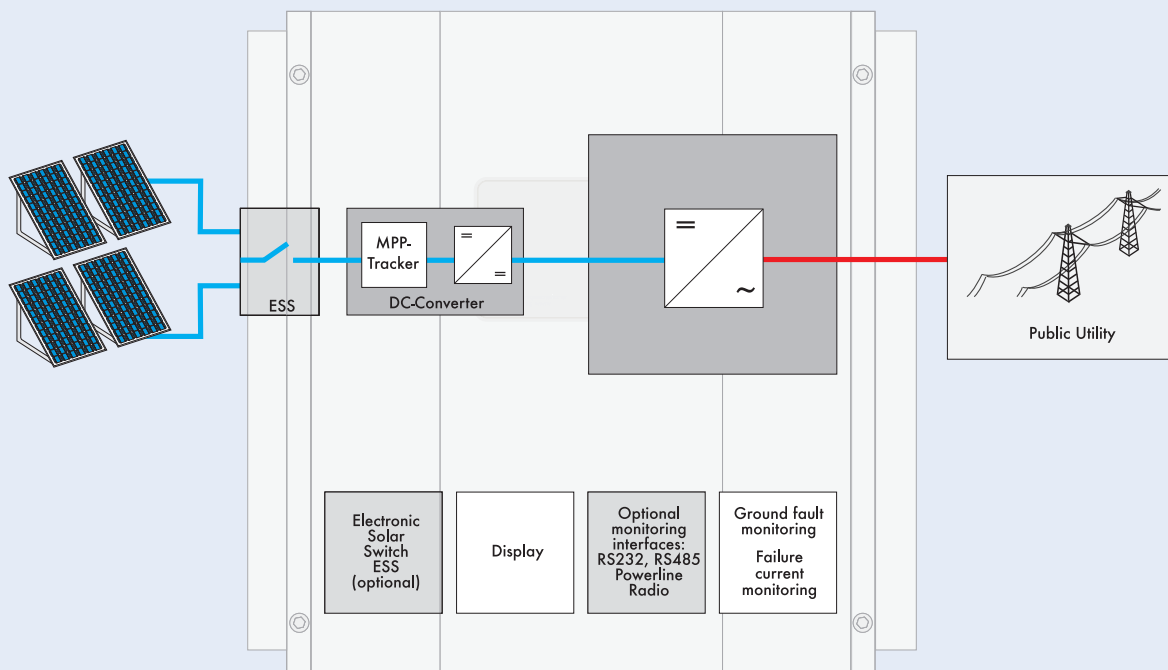
An excellent efficiency of 96 % and generously dimensioned heat sinks, which enable grid feeding in a wide range of temperatures, guarantee high yields.



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Schematic diagram of the Sunny Boy SB 3300TL HC

Technical Data

	SB 3300TL HC
Input data	
Max. DC power ($P_{DC, max}$)	3440 W
Max. DC voltage ($U_{DC, max}$)	750 V
PV voltage range, MPPT (U_{MPP})	125 V - 750 V
Max. input current ($I_{PV, max}$)	11 A
DC voltage ripple (U_{pp})	< 10 %
Max. no. of strings	2
DC isolator	Plug connector, ESS
Thermally monitored varistors	yes
Ground fault monitoring	yes
Reverse polarity protection	Short circuit diode
Output data	
Max. AC power ($P_{AC, max}$)	3300 W
Nominal AC output ($P_{AC, nom}$)	3000 W
Harmonic distortion of grid current	< 4 %
Nominal AC voltage ($U_{AC, nom}$)	220 V - 240 V
Nominal AC frequency ($f_{AC, nom}$)	50 Hz
Power factor ($\cos \varphi$)	1
Short-circuit proof	yes, current regulation
Grid connection	AC screw terminal
Efficiency	
Max. efficiency	96 %
Euro-ETA	94.6 %
Protection degree	
according to DIN EN 60529	IP65
Mechanical data	
Width/height/depth (mm)	470 / 490 / 225
Weight	28 kg