Sunny Boy 2500

The SB 2500 guarantees excellent energy yields because it operates with extremely low losses.

The solid engineering and innovative circuitry concept is ideal for the most frequently occurring system sizes of grid connected solar power systems. The inverter's high efficiency can be increased still further in combination with multiple units using SMA's patented team circuitry. The wide input power range also enables all kinds of combination options with all current cell technologies.

Features

- Team mode compatible
- Easy plant design and reduced installation costs
- SMA grid guard® (MSD)
- Diagnosis and communication via radio transmission or via data cable (RS232 or RS485)
- Extended temperature range –25 °C to +60 °C
- For outdoor and indoor installation
- Connection on the AC- and DC-side with connectors
- Surge voltage protection with integrated thermally monitored varistors
- 5 year SMA warranty (10 years optional)

Input	
Max DC power ($P_{DC, max}$)	2,700
Max DC voltage ($U_{DC, max}$)	600 V
PV voltage range, MPPT ($U_{PV, max}$)	224-600 V
Max input current ($I_{PV, max}$)	12 A
DC voltage ripple (U_{pp})	< 10%
Max number of strings (parallel)	3
DC connections	MC III
Thermally monitored varistors	Yes
Ground fault monitoring	Yes
Reverse polarity protection	Short circuit diode

Output	
Max AC power ($P_{AC, max}$)	2,500 W
Nominal AC power ($P_{AC, nom}$)	2,300 W
THD of grid current	< 4%
Default AC voltage ($U_{AC, nom}$)	220 - 240 V
AC frequency (F_{AC})	50 / 60 Hz
Power factor (cos phi)	1
Short circuit proof	Yes, current regulation
Connection to utility	AC plug connector

Efficiency	
Max efficiency	94.1%
Euro-ETA	93.2%

Protection degree	
in accordance with DIN EN 60529	IP65

Mechanical data	
Dimensions (w x h x d)	450 x 352 x 236 mm
Weight	30 kg

Available from:

For further information: ph 1300 551 303