

SMA SB2100TL



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SMA Sunny Boy 2100TL trafoeloos, 2200 Wp, incl. display, Sunclix stekkers en ESS.

WaarderingNog niet gewaardeerd

Prijs

Not Available

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Fabrikant[SMA](#)

Beschrijving

Efficient

- Rendement tot 96 %
- Trafoeloos

Veilig

- Geïntegreerde ESS DC schakelaar

Betrouwbaar

- Bewezen technologie
- Onderhoudsvrij dankzij convectie koeling

Simpel

- SUNCLIX DC stekkers

	Sunny Boy 1600TL	Sunny Boy 2100TL
Input (DC)		
Max. DC power (@ cos φ=1)	1700 W	2200 W
Max. input voltage	600 V	600 V
MPP voltage range / rated input voltage	155 V – 480 V / 400 V	200 V – 480 V / 400 V
Min. input voltage / initial input voltage	125 V / 150 V	125 V / 150 V
Max. input current	11 A	11 A
Max. input current per string	11 A	11 A
Number of independent MPP inputs / strings per MPP input	1 / 1	1 / 2
Output (AC)		
Rated power (@ 230 V, 50 Hz)	1600 W	1950 W
Max. apparent AC power	1600 VA	2100 VA

Nominal AC voltage / range	220 V, 230 V, 240 V / 180 V – 260 V	220 V, 230 V, 240 V / 180 V – 260 V
AC power frequency / range	50 Hz / -4.5 Hz ... +2.5 Hz	50 Hz / -4.5 Hz ... +2.5 Hz
Rated grid frequency / rated grid voltage	50 Hz / 230 V	50 Hz / 230 V
Max. output current	11 A	11 A
Power factor at rated output power	1	1
Adjustable displacement factor	—	—
Phase conductors / connection phases	1 / 1	1 / 1
Efficiency		
Max. efficiency / European efficiency	96 % / 95 %	96 % / 95.2 %
Protection		
Input-side disconnection device	opt.	opt.
Ground fault monitoring / grid monitoring	yes / yes	yes / yes
DC surge arrester Type II, can be integrated	—	—
DC reverse-polarity protection / AC short-circuit current capability / galvanically isolated	yes / yes / —	yes / yes / —
All-pole sensitive residual current monitoring unit	yes	yes
Protection class (according to IEC 62103) / overvoltage category (according to IEC 60664-1)	I / III	I / III
General Data		
Dimensions (W / H / D)	440 / 339 / 214 mm (17.3 / 13.4 / 8.4 inch)	440 / 339 / 214 mm (17.3 / 13.4 / 8.4 inch)
Weight	16 kg / 35.3 lb	16 kg / 35.3 lb
Operating temperature range	-25 °C ... +60 °C / -13 °F ... +140 °F	-25 °C ... +60 °C / -13 °F ... +140 °F
Noise emission (typical)	33 dB(A)	33 dB(A)
Self-consumption at night	0.1 W	0.1 W
Topology	Transformerless	Transformerless
Cooling concept	Convection	Convection
Degree of protection (according to IEC 60529)	IP65	IP65
Degree of protection of connection area (according to IEC 60529)	IP65	IP65
Climatic category (according to IEC 60721-3-4)	4K4H	4K4H
Maximum permissible value for relative humidity (non-condensing)	100 %	100 %
Features		
DC terminal	SUNCLIX	SUNCLIX
AC terminal	Connector	Connector
Display	Text line	Text line
Interface: RS485 / Bluetooth	opt. / opt.	opt. / opt.
Warranty: 5 / 10 / 15 / 20 / 25 years	yes / opt. / opt. / opt. / opt.	yes / opt. / opt. / opt. / opt.
Multi-function relay	—	—
Certificates and approvals (more available on request)	CE, VDE0126-1-1, AS4777, EN 50438*, PPDS, UTE C15-712-1, C10/11	CE, VDE0126-1-1, AS4777, EN 50438*, PPDS, UTE C15-712-1, C10/11
* Does not apply to all national annexes to EN 50438		
For SUNNY BOY 1600TL: Provisional data, as of March 2011		
Data at nominal conditions		
Type designation	SB 1600TL-10	SB 2100TL