



SolarMax 330C-SV

Invest in the future – with solar power.

The future belongs to renewable energy, and therefore to solar electricity! Your commitment to invest in renewable energy is a clear indication that you are one of those who have seen the signs of the times.

The SolarMax 330C-SV inverter is the best choice for big PV installations directly connected to the medium-voltage level. Depending on the actual size of your system, we can offer you a matching transformer station that connects one or more SolarMax 330C-SV inverters to the medium-voltage grid.

Efficiency and Performance. With its remarkable maximum efficiency of 98 %, our extended warranty and its low weight, SolarMax central PV inverters offer unique and decisive advantages.

Quality at a competitive price. Although very competitively priced, SolarMax units combine the highest construction quality with the advantage of a quick and competent after sales and customer support service.

Long service life and high reliability. All SolarMax systems comply with TÜV “Type approved” standards and come with a warranty, guaranteeing long life and trouble free operation of all component parts, as well as freedom from interruptions caused by malfunctions. To achieve this high standard, Sputnik Engineering has made long-term operational safety a top priority in the design and development of its SolarMax inverters. SolarMax is one of the very few systems featuring a switching concept offering enhanced safety and optimum operation with Digital Signal Processor (DSP).

Simplicity. SolarMax central PV inverters are straightforward to install, easy to operate and quick and simple to start up.

All-inclusive, trouble-free package. Investing in a SolarMax service agreement guarantees up to 20 years of trouble free system operation, and provides the user with planning security, enabling the user to calculate return on investment ratios over a defined period of time.

The market leader with vast experience and even greater know-how: Sputnik Engineering's first central inverter was commissioned in 1992. Since then more than 6'000 SolarMax central inverters have been connected to the 50 Hz grid.

The Sputnik team is there to advise you from start to finish – from the initial idea, through the planning stage all the way to the operation of your photovoltaic installation.



 **SWISS QUALITY**

 **SolarMax**[®]
by Sputnik Engineering

SolarMax 330C-SV	
Input side (DC)	
Maximum DC input	400 kW
MPP voltage range	450...800 V _{dc}
Maximum input voltage	900 V _{dc}
Input current	0...720 A _{dc}
Current ripple	< 4 % peak-peak
Output side (AC)	
Nominal output *)	330 kW
Maximum output	340 kW
Voltage	3 * 280 +10 % / -15 % V _{AC}
Output current	0...700 A _{AC}
Power factor (PF)	> 0.98
Nominal mains frequency/range	50 Hz / 45...52 Hz
Harmonic distortion	< 3 %
System data	
Night-time consumption	2...7 W
Maximum efficiency	98 %
European efficiency	97 %
Ambient temperature	-20 °C...40 °C
Protection type	IP20
Circuit type	PWM (IGBT)
Relative humidity	0...98 % non-condensing
CE-compliant according to	EN 61000-6-2, EN 61000-6-4, EN 50178
Mark of conformity	"Type approved" TÜV Rheinland
Additional standards	DK 5940
Display	Two-Line, 16 Character LCD including backlight
Data communication	Integrated RS232 / RS485 Interface
Dimensions (WxDxH)	120 x 80 x 200 cm
Weight	1200 kg

*) at nominal AC voltage +/- 5 %

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Features

- Compact PWM sinus inverter
- Digital Signal Processor (DSP)
- Maximum efficiency of 98 %
- MPP efficiency of over 99 %
- Competitive price/performance ratio
- Low weight and space saving design
- 2-year warranty, extendable up to 20 years
- RS232 / RS485 interface as standard
- MaxControl option for automatic fault diagnosis, monitoring the system and analysis of performance data
- Certificate TÜV Rheinland "Type approved"
- Delivery within deadlines
- Hotline and quick response service