



SOLIVIA CS

Modular central inverters for the European market -
Perfect choice for large installations, such as solar farms

Cost benefit & simple handling

- Due to the modular design, the maintenance friendly SOLIVIA CS systems have a low total cost of ownership.
- The inverters already start feeding power into the grid at low sun irradiation and maximize your profit!

Fail-safe & ease of maintenance

- If any inverter rack fails, a system availability of more than 90 % is guaranteed
- The modular system design of the SOLIVIA CS systems ensures maximum reliability.

44 kW, 55 kW and 66 kW central inverters

Technical data SOLIVIA CS

INPUT (DC)	SOLIVIA CS 44	SOLIVIA CS 55	SOLIVIA CS 66
Max. recommended PV power	54 kW _p	67 kW _p	80 kW _p
Nominal power	47 kW	59 kW	70 kW
Voltage range	400 ... 900 V		
Full power MPP range	450 ... 800 V		
Max. current	105 A	135 A	160 A
Power feed-in from	80 W	100 W	120 W
Max. number of MPP trackers	1		

OUTPUT (AC)

Nominal power	44.4 kW	55.5 kW	66.6 kW
Voltage range	320 ... 460 V ¹⁾		
Nominal current (per phase)	65 A	81 A	97 A
Nominal frequency	50 Hz		
Frequency range	47.5 ... 52.5 Hz ¹⁾		
Power factor	> 0.99 @ nominal power		
Total harmonic distortion (THD)	< 3 % @ nominal power		

GENERAL SPECIFICATION

	SOLIVIA CS 44 EU G3 ²⁾	SOLIVIA CS 55 EU G3 ²⁾	SOLIVIA CS 66 EU G3 ²⁾
Model name	SOLIVIA CS 44 EU G3 ²⁾	SOLIVIA CS 55 EU G3 ²⁾	SOLIVIA CS 66 EU G3 ²⁾
Part number Delta	EOE98030256		
Max. efficiency	95.6 %		
Efficiency EU	94.7 %		
Operating temperature	-10 ... +50 °C		
Storage temperature	-25 ... +60 °C		
Humidity	0 ... 95 %		
Max. operating altitude	2000 m (above sea level)		

MECHANICAL DESIGN

Size (L x W x D)	1700 x 1000 x 600 mm (with fan tray)		
Weight (with inverter racks)	350 kg	380 kg	410 kg
Weight (without inverter racks)	232 kg		
Cooling	Fan cooling		
AC connector	Terminal connection		
DC connector	Terminal connection		
AC disconnect	Integrated		
DC disconnect	Integrated		
Display	5.7" touch-screen		

STANDARDS / DIRECTIVES	SOLIVIA CS 44	SOLIVIA CS 55	SOLIVIA CS 66
Protection degree	IP54		
Safety class	I		
Configurable trip parameters	Yes		
Insulation monitoring	Yes		
Overload behavior	Current limitation; power limitation		
Anti-islanding protection	DIN VDE 0126-1-1; UTE C15-712-1; France/Islands (60 Hz); RD 661/2007; EN 50438		
EMC	EN61000-6-2; EN61000-6-3; EN61000-3-11; EN61000-3-12		
Safety	EN60950-1; EN50178; IEC62103; IEC62109-1 / -2		

- 1) AC voltage and frequency range will be programmed according to the individual country requirements.
- 2) An overview of our inverters that can be installed in your country can be found on our website www.solar-inverter.com.

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Email: sales.uk@solar-inverter.com
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International

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