



SOLIVIA CM

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 CM 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 CM systems ensures maximum reliability.

77 kW, 88 kW and 100 kW central inverters

Technical data SOLIVIA CM

INPUT (DC)	SOLIVIA CM 77	SOLIVIA CM 88	SOLIVIA CM 100
Max. recommended PV power	94 kW _p	106 kW _p	120 kW _p
Nominal power	82 kW	93 kW	105 kW
Voltage range	400 ... 900 V		
Full power MPP range	450 ... 800 V		
Max. current	185 A	210 A	235 A
Power feed-in from	140 W	160 W	180 W
Max. number of MPP trackers	2 (Delivery status: 1 MPP tracker)		

OUTPUT (AC)

Nominal power	77.7 kW	88.8 kW	100 kW
Voltage range	320 ... 460 V ¹⁾		
Nominal current (per phase)	113 A	128 A	145 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 CM 77 EU G3 ²⁾	SOLIVIA CM 88 EU G3 ²⁾	SOLIVIA CM 100 EU G3 ²⁾
Model name	SOLIVIA CM 77 EU G3 ²⁾	SOLIVIA CM 88 EU G3 ²⁾	SOLIVIA CM 100 EU G3 ²⁾
Part number Delta	EOE98030176		
Max. efficiency	95.6 %		
Efficiency EU	95 %		
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)	2215 x 1000 x 600 mm (with fan tray)		
Size (L x W x D)	2000 x 1000 x 600 mm (without fan tray)		
Weight (with inverter racks)	510 kg	540 kg	570 kg
Weight (without inverter racks)	301 kg		
Cooling	Fan cooling		
AC connector	Terminal connection		
DC connector	Terminal connection		
AC disconnecter	Integrated		
DC disconnecter	Integrated		
Display	5.7" touch-screen		

STANDARDS / DIRECTIVES	SOLIVIA CM 77	SOLIVIA CM 88	SOLIVIA CM 100
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.

United Kingdom

Email: sales.uk@solar-inverter.com

Tel: 0800 051 4280 (Free Call)

International

Email: sales.europe@solar-inverter.com

Tel: +49 7641 455 547