



Solar Inverter Product Overview

Solar inverters, monitoring and support
for PV installations of all sizes

About Delta

Smarter. Greener. Together.

Delta Group, founded in 1971, is the global leader in power and thermal management solutions. Our mission statement, "To provide innovative, clean and energy-efficient solutions for a better tomorrow," focuses our role in addressing key environmental issues such as global climate change. As an energy-saving solutions provider, Delta's businesses encompass power electronics, energy management, and smart green life. Delta has sales offices worldwide and manufacturing facilities in Taiwan, China, USA, Europe, Thailand, Japan, India, Mexico, and Brazil.

Since 1999 the subsidiary Delta Energy Systems has invested in the development and global marketing of the Solar Inverter Program, which has made an important and successful contribution to Delta's focus on offering our customers environmentally-friendly power generation for residential and commercial applications. Further, Delta supports installers and users across the whole lifetime of our solar inverter products. We care deeply about providing fast response times, knowledgeable personnel and overall customer satisfaction. At Delta Energy Systems we believe that more than good products are needed to maximise your energy efficiency.

SOLIVIA TL Series

Transformerless Solar Inverters



Free solar inverter guarantee
extension to 10 years after
registration at www.solar-inverter.com



SOLIVIA 10 TL



SOLIVIA 15 TL

	6.0 TL	8.0 TL	10 TL	12 TL	15 TL	20 TL	30 TL
Input (DC)							
Nominal power (W)	6300	8400	10500	12600	15300	20400	31000
Voltage range (V)	250 ... 1000						
Full power MPP range (V) ¹⁾	315 ... 850	280 ... 850	350 ... 800	420 ... 850	350 ... 800		480 ... 800
Max. number of MPP Trackers	Parallel inputs: 1 MPP Tracker, Separate inputs: 2 MPP Trackers, input load: symmetrical and asymmetrical (33 / 67 %)						
Output (AC)							
Number of phases	3						
Nominal apparent power (VA) ²⁾	6000	8000	10000	12000	15000	20000	30000
Voltage range (V) ³⁾	3 x 230 / 400 V (± 20 %) + N + PE						
Nominal frequency (Hz) ³⁾	50 / 60 ± 5						
Power factor adjustable	0.8 capacitive ... 0.8 inductive						
Additional Information							
Max. efficiency (%)	98.2	98.2	98.3	98.3	98.0	98.0	98.2
Efficiency EU (%)	97.2	97.4	97.7	97.7	97.8	97.8	97.9
Operating temperature (°C) (full power up to +40 °C)	-25 ... +60	-20 ... +60					
Protection degree ⁴⁾	IP65 / IP55						

¹⁾ When operated with symmetrical input load (50/50 %)

²⁾ Cos Phi = 1 (VA = W)

³⁾ AC voltage and frequency range will be programmed according to the individual country requirements.

⁴⁾ IP65 for electronics / IP55 for cooling area

SOLIVIA Monitor

Monitoring for your PV installation

SOLIVIA Monitor is a turn-key monitoring system suitable for monitoring several PV systems, which ensures reliable operation and a maximum return on your investment in your solar system.

With its user-friendly Internet application, which provides a quick overview of the most important values, the yield and the system status, the SOLIVIA Monitor is ideal for monitoring PV systems up to 100 kW.

SOLIVIA Live is the smartphone and tablet PV system monitoring solution from Delta. The application allows monitoring of your PV installation anytime and anywhere. The application is available for Apple iOS, Windows Phone 8 and Android operating systems.



SOLIVIA TR Series

Transformer-based Solar Inverters



Free solar inverter guarantee extension to 10 years after registration at www.solar-inverter.com



SOLIVIA 2.0 TR



SOLIVIA 11 TR

	2.0 TR	2.5 TR	3.0 TR	3.3 TR	3.6 TR	5.0 TR	10 TR	11 TR
Input (DC)								
Nominal power (W)	2200	2750	3300	3600	3850	5500	10600	11600
Voltage range (V)	125 ... 600						375 ... 1000	
Full power MPP range (V)	150 ... 480				170 ... 480	150 ... 480	375 ... 850	
Max. number of MPP Trackers	1 MPP Tracker							
Output (AC)								
Number of phases	1						3	
Nominal apparent power (VA) ¹⁾	2000	2500	3000	3300	3600	5000	10000	11000
Voltage range (V) ²⁾	184 ... 276						3 x 400 V (+18/-20%)	
Nominal frequency (Hz) ²⁾	45 ... 65							
Power factor adjustable ³⁾	0.8 capacitive ... 0.8 inductive							
Additional Information								
Max. efficiency (%)	95.8	96.1	96.1	96.0	96.0	96.0	96.8	96.8
Efficiency EU (%)	93.1	94.3	94.6	94.7	94.6	94.7	95.6	95.6
Operating temperature (°C)	-25 ... +70 (full power up to +55 °C for 2.0 ... 5.0 TR, 11 TR / +58 °C for 10 TR)							
Protection degree	IP65						IP65 ⁴⁾	

¹⁾ Cos Phi = 1 (VA = W)

²⁾ AC voltage and frequency range will be programmed according to the individual country requirements.

³⁾ Full active power fed up to cos φ = 0.9 (for SOLIVIA 2.0 ... 3.6, 10 TR, 11 TR), cos φ = 0.95 (for SOLIVIA 5.0)

⁴⁾ IP54 for cooling area

Delta Service and Support

Reliable, Flexible and Competent

Good service is very important. Therefore Delta provides reliable, flexible and competent support. Customer satisfaction and fast response times are not just words for Delta. Delta cares for partners and customers during the complete lifetime of the product.

Our highly motivated Solar Team supports Delta's customers via our dedicated Solar Support Hotline which is there when you need help.

If necessary, you can receive local support from our service teams. Exchange units and components are available within two working days.

Do you need detailed information about the solar inverter; No problem! Our Delta Solar Team offers inverter training courses which can be run either on our premises or on your premises on request.



Sales Contact

United Kingdom

sales.uk@solar-inverter.com
0800 051 4280 (Free Call)

Other European Countries

sales.europe@solar-inverter.com
+49 7641 455 547

