

Together we can
make a difference.™



Origin5500 5.5kW Solar System Inverter Specifications

Your Origin5500 system will be supplied with the following inverter:

- 1 x Delta Solivia 2.5 & 1 x Delta RPI H3

Please note the inverter supplied with your solar system is AS4777 accredited.

Please see the following specification sheet for further details and inverter specifications.



SOLIVIA 2.5 TR

High efficiency solar inverters for the Australian market -
Perfect choice for a single or multi-family house

Versatile applications

- Usable with all commercially available solar modules (mono, poly, amorphous)
- Wide input voltage range
- Suitable for indoor and outdoor applications (IP65)

Maximum profitability

- Peak efficiency of 96 %
- Full output power up to 55 °C
- 10 years standard guarantee

2500 Watt solar inverters

Technical data SOLIVIA 2.5 TR

INPUT (DC)	SOLIVIA 2.5 AP G3 TR
Max. recommended PV power	3100 W _p
Nominal power	2750 W
Voltage range	125 ... 540 V
Full power MPP range	150 ... 450 V
Nominal current	9.8 A
Max. current	18 A

OUTPUT (AC)	
Nominal power	2500 W (power limit option: 2350 W)
Voltage range	210 ... 264 V
Nominal current	10.9 A
Nominal frequency	50 Hz
Frequency range	48 ... 52 Hz
Power factor	> 0.99 @ nominal power
Total harmonic distortion (THD)	< 3 % @ nominal power

GENERAL SPECIFICATION

Model name	SOLIVIA 2.5 AP G3 TR
Part number Delta	EOE45010272
Max. efficiency	96 %
Efficiency EU	94.8 %
Operating temperature	-25 ... +70 °C
Full power without derating	-25 ... +55 °C
Storage temperature	-25 ... +80 °C
Humidity	0 ... 98 %
Max. operating altitude	2000 m (above sea level)

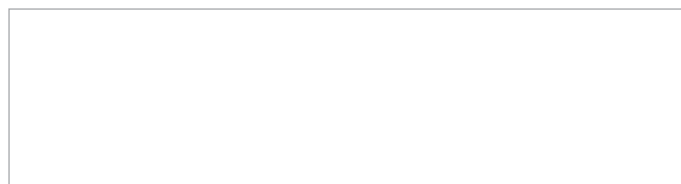
MECHANICAL DESIGN

Size (L x W x D)	410 x 410 x 180 mm
Weight	21.5 kg
Cooling	Convection
AC connector	Wieland RST25i3S
DC connector	4 pairs of Multi-Contact MC4
Communication interfaces	2 x RJ45 / RS485
Display	3 LEDs, 2-line LCD

STANDARDS / DIRECTIVES	SOLIVIA 2.5 AP G3 TR
Protection degree	IP65
Safety class	I
Configurable trip parameters	Yes
Insulation monitoring	Yes
Overload behavior	Current limitation; power limitation
Anti-islanding protection / Grid regulation	AS 4777.2; AS 4777.3; IEC 60255.5
EMC	AS 4777.1; AS 4777.2; AS 4777.3; EN 61000-6-2; IEC / EN 61000-6-3
Safety	AS/NZS 60950; AS/NZS 3100; AS 4777.2; AS 4777.3

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The power behind competitiveness

Delta RPI-Home Series

Grid PV Inverter

RPI H3



Product Features

- High frequency transformerless system
- Fanless design enhancing product life
- Wide voltage range
- High efficiency up to 97%
- LCD display panel
- VDE-AR-N 4105 certified
- Wall mountable
- IP-65 protection level



Delta RPI Home Series

Grid PV Inverter

RPI H3

Insight Power Monitoring Software

IPC monitoring system brings you the easy-to-read solar system report which clearly displays all the electricity information with graphics & tables.



Solar system general information display



Historical data in graphical display.

High Quality Protection Design

RPI-Home series is designed with IP65 protection level and fast connector features to enhance the performance under outdoor environment.



High Efficiency Performance

RPI-Home series performs high efficiency up to 97.5% with single MPPT to track the sunlight giving the maximum yields to your solar system.



Delta RPI-Home Series Product Specs

	RPI H3_110
Input (DC)	
Operating voltage range	125-550Vdc
MPP voltage range	320-500Vdc
Max. input voltage	630Vdc
Start up voltage	150Vdc
Max. input current	10Adc
Number of MPPT	1
MC4 Connectors	2 pairs
Output (AC)	
Max. output power	3000VA
Max. output current	14.3A
AC voltage range	184-265Vac
Frequency range	50/60Hz +/-5Hz
Total harmonic distortion	<3%
Reactive Power	0.8 ind ~ 0.8 cap
Efficiency	
Peak efficiency	97.00%
Euro efficiency	96.20%
System Safty & Communication	
Communication port	RS485 / WiFi Optional
Display	LCD 16 characters x 2
Operating temperature range	-20°C to 60°C
Night time power consumption	<2W
Protection Level	IP65
Certification Safety	VDE AR-N 4105, AS4777
Mechanical information	
Physical size (DxWxH)	367 x 420 x 157 mm
Net weight	15 kg

All specifications are subject to change without prior notice.