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Sharp4700 Solar System Inverter Specifications

Your Sharp4700 system will be supplied with the following inverter:

- Delta Solivia 5.0

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

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

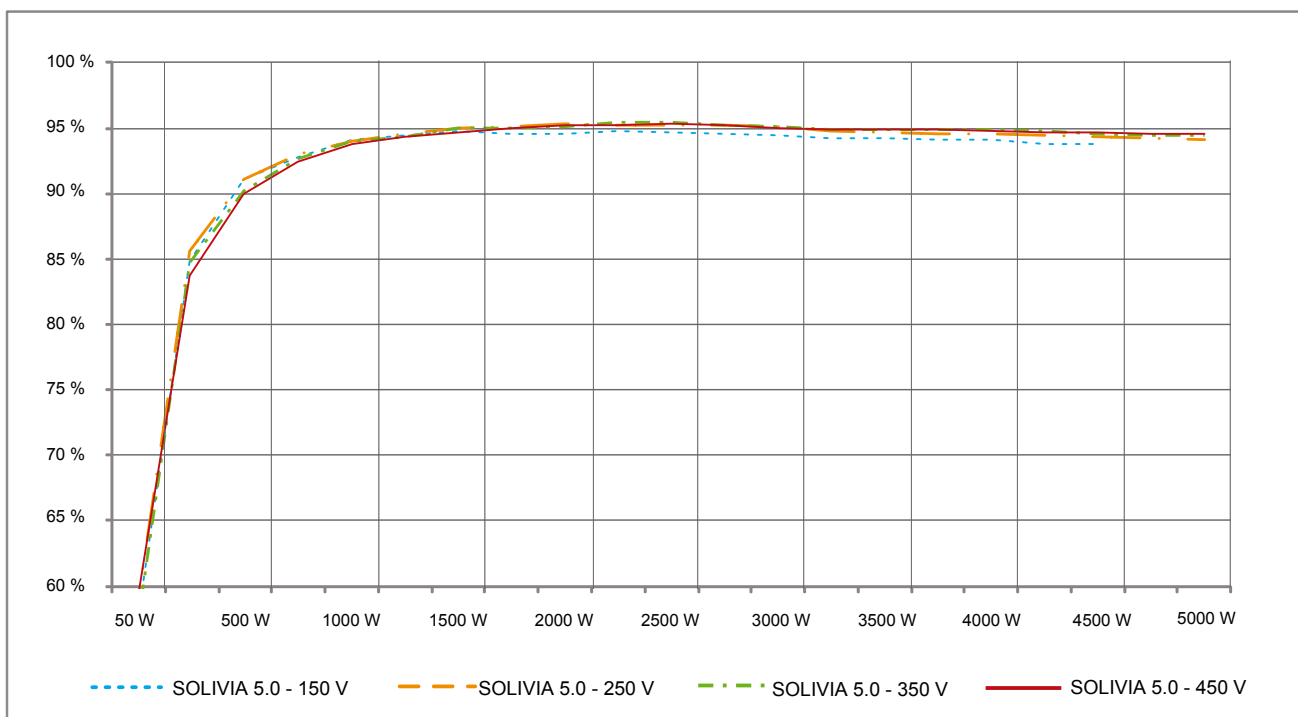
SOLIVIA 5.0 AP G3 TR



Features

- Transformer with peak efficiency (95.6 %)
- Isolation of primary and secondary circuit
- Wide operating temperature ranges: -25 °C to +60 °C
- RS485 (EIA485) communication interfaces
- Intelligent MPP tracking
- Suitable for indoor and outdoor applications (IP65)
- Without fan
- Simple and direct on-screen data display

Efficiency curve



SOLIVIA 5.0 AP G3 TR

Technical data SOLIVIA 3.3 AP G3 TR

INPUT (DC)	AUSTRALIA
Max. recommended PV power	6000 W
Nominal power	5500 W
Voltage range	125 ... 540 V
Full power MPP range	150 ... 450 V
Nominal current	17.2 A
Max. current	32.0 A
Stand-by power	< 0.2 W

OUTPUT (AC)	AUSTRALIA
Max. power	5240 W
Nominal power	5000 W
Nominal voltage	230 V
Voltage range	210.0 ... 264.0 V
Nominal current	22.0 A
Max. current	27.2 A
Nominal frequency	50 Hz
Frequency range	48.0 ... 52.0 Hz
Power factor (cos φ)	> 0.99 @ nominal power
Total harmonic distortion (THD)	< 5 % @ nominal power

MECHANICAL DESIGN	AUSTRALIA
Size (L x W x D)	510 x 410 x 180 mm
Weight	32.0 kg
Cooling	Free convection
AC connector	Wieland RST25i3S
DC connector	4 pairs of Multi-Contact MC4
Communication interfaces	2 Harting RJ45 / RS485
Display	LCD; 3 LEDs

GENERAL SPECIFICATION	AUSTRALIA
Model name	SOLIVIA 5.0 AP G3 TR
Part number Delta	EOE46010301
Max. efficiency	95.6 %
Efficiency EU	94.6 %
Operating temperature	-25 ... +60°C
Storage temperature	-25 ... +80°C
Humidity	0 ... 98 %

STANDARDS / DIRECTIVES	AUSTRALIA
Protection degree	IP65
Safety class	1
Overload behavior	Current limitation; power limitation
Anti-islanding protection	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

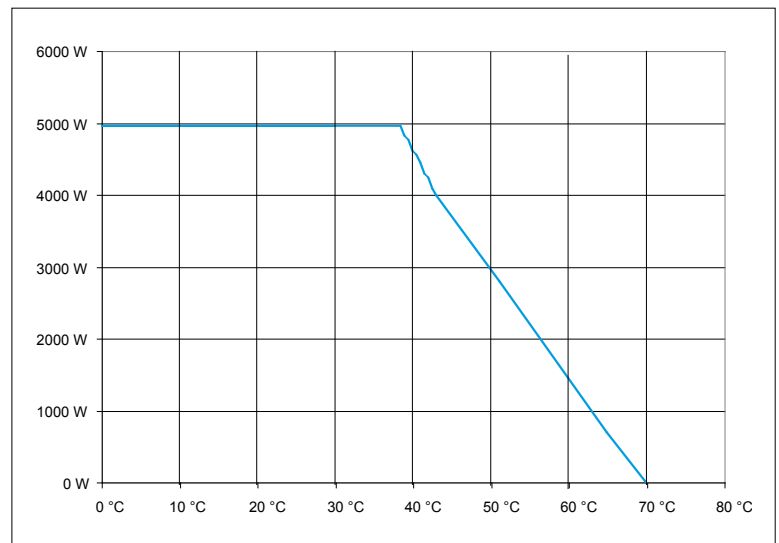
The latest high frequency technology used in the SOLIVIA 5.0 TR solar inverters for the Asia-Pacific market enable it to operate at maximum efficiency to guarantee continuous and outstanding energy outputs.

With their IP65 casting, these high efficiency, grid connected SOLIVIA inverters can be used both inside and in protected outside areas. As with all SOLIVIA inverters, the 5.0 TR inverter has an intelligent MPP tracking system and extract maximum performance from your solar panels under all operating conditions.

The SOLIVIA 5.0 from Delta can be used for any size of installation.

It is particularly suitable for users who are looking for a solar inverter for medium to large scale solar installations.

Ambient temperature



The solar inverter can be operated in an ambient temperature between -25°C to +60°C.

The following diagram illustrates how the power supplied by the solar inverter is reduced automatically in accordance with ambient temperature.

The device should be installed in a well-ventilated, cool and dry location.