



solis2000 inverter



The Solis 2000 inverter has been the first choice for many thousands of installations throughout Australia. World wide every month over 5 megawatts of solar PV and wind turbine installations choose this rugged and reliable unit for their grid tie application. Our inverters provide our customers with superior performance and reliability through the most advanced design and application of inverter technology. This inverter is certified to UL 1741, AS4777, G83/1 and other related international standards.

Model	Solis2000
The max DC input voltage:	600Vdc
MPPT operating range:	100-500V
DC nominal voltage:	400V
The max DC input current:	9Adc
Number of MPPT/Max strings per MPPT:	1/1
Rating output power:	2kW
The transient max power:	2.1kW
Rating grid voltage:	230Vac
The grid voltage range:	180-270Vac(adjustable)
Operation phase:	Single
Rating grid output current:	8.7Aac
Output power factor:	>0.99
Grid current THD:	Total THD<3%
The DC injection current:	<10mA
Rating grid frequency:	50/60Hz
Max efficiency:	>95%
Protection :	DC reverse-polarity protection; AC short circuit protection; islanding protection; temperature protection. Etc.
Size:	520W×385H×120D(mm)
Weight:	12.7kG
Topology:	Transformerless
Internal consumption:	<1W(Night)
Operation environment temperature:	-25~60°C
Ingress protection:	IP65
Interface:	RS485
Design lifetime:	>20 years
Operating range utility frequency [Hz]:	47-52 or 57-62 (ajustable)
Utility monitoring:	Islanding protection V_{AC} , F_{AC} in accordance with UL 1741, G83/1, AS4777, VDE 0126-1-1
Operation surroundings humidity:	0~95%
Certification to Australian / NZ Standard AS 4777	
EMC:	EN61000-6-1:2007 EN61000-6-3:2007



The Solis 3000 inverter is a transformerless grid tie inverter designed for high efficiency solar photovoltaic applications. It is light and compact for ease of installation yet the simple contemporary design allows it to be fitted in the least obtrusive manner. The Solis 3000 also has a wide input voltage range from 100Vdc to 600Vdc and efficiency rating in excess of 97%. Easy to access for programming and monitoring functions through digital display and operation keys.

Model	Solis3000
The max DC input voltage:	600Vdc
MPPT operating range:	100-500V
DC nominal voltage:	400V
The max DC input current:	9Adc (each MPPT)
Number of MPPT/Max strings per MPPT:	2/2
Rating output power:	3kW
The transient max power:	3.3kW
Rating grid voltage:	230Vac
The grid voltage range:	180~270Vac (adjustable)
Operation phase:	Single
Rating grid output current:	13.0Aac
Output power factor:	>0.99
Grid current THD:	Total THD<3%
The dc injection current:	<20mA
Rating grid frequency:	50/60Hz
Max efficiency:	>97%
Protection :	DC reverse-polarity protection; AC short circuit protection; islanding protection; temperature protection. Etc.
Size:	520W×385H×150D(mm)
Weight:	16kG
Topology:	Transformerless
Internal consumption:	<1W(Night)
Operation environment temperature:	-25~60°C
Ingress protection:	IP65
Interface:	RS485 and bluetooth
Design lifetime:	>20 years
Operating range utility frequency (Hz):	47-52 or 57-62 (adjustable)
Utility monitoring:	Islanding protection V_{ac} , F_{ac} in accordance with UL 1741, G83/1, AS4777, VDE 0126-1-1
Operation Surroundings humidity:	0~95%
Certification to Australian / NZ Standard AS 4777	
EMC:	EN61000-6-1:2007 EN61000-6-3:2007



solis4600 inverter

Our Solis 4600 inverter has been equipped with bluetooth wireless technology as has the Solis 3000 and Solis 5000 inverters. Local data monitoring can now be easily achieved through the use of bluetooth compatible devices. These inverters now include inbuilt dual Maximum Power Point Trackers to provide the greatest flexibility in system design and efficiency. These features are in addition to the proven reliability and enhanced performance attributes of the Solis range of inverters.



Model	Solis4600
The max DC input voltage:	600Vdc
MPPT operating range:	100-500V
DC nominal voltage:	400V
The max DC input current:	15Adc (each MPPT)
Number of MPPT/Max strings per MPPT:	2/2
Rating output power:	4.6kW
The transient max power:	5kW
Rating grid voltage:	230Vac
The grid voltage range:	180~270Vac (adjustable)
Operation phase:	Single
Rating grid output current:	20Aac
Output power factor:	>0.99
Grid current THD:	Total THD<3%
The DC injection current:	<30mA
Rating grid frequency:	50/60Hz
Max efficiency:	>97%
Protection :	DC reverse-polarity protection; AC short circuit protection; islanding protection; temperature protection. Etc.
Size:	400W×700H×170D(mm)
Weight:	23kg
Topology:	Transformerless
Internal consumption:	<1W(Night)
Operation environment temperature:	-25~60°C
Ingress protection:	IP65
Interface:	RS485 and bluetooth
Design lifetime:	>20 years
Operating range utility frequency (Hz):	47-52 or 57-62 (ajustable)
Utility monitoring:	Islanding protection V_{ac} , F_{ac} in accordance with UL 1741, G59, AS4777, VDE 0126-1-1
Operation Surroundings humidity:	0~95%
Certification to Australian / NZ Standard AS 4777	
EMC:	EN61000-6-1:2007 EN61000-6-3:2007



solis 5000 inverter

The Solis 5000 inverter has inbuilt dual Maximum Power Point Trackers so that your system designer can take advantage of the best options to achieve optimum efficiency from your solar photovoltaic system. Bluetooth connectivity is included so that the system data can be easily accessed through bluetooth compatible devices. It is light and compact for ease of installation yet the simple contemporary design allows it to be fitted in the least obtrusive manner. Solis inverters have a wide input voltage range from 100Vdc to 600Vdc and efficiency rating in excess of 97%.



Model	Solis5000
The max DC input voltage:	600Vdc
MPPT operating range:	100-500V
DC nominal voltage:	400V
The max DC input current:	15Adc (each MPPT)
Number of MPPT/Max strings per MPPT:	2/2
Rating output power:	5kW
The transient max power:	5.5kW
Rating grid voltage:	230Vac
The grid voltage range:	180~270Vac (adjustable)
Operation phase:	Single
Rating grid output current:	21.7Aac
Output power factor:	>0.99
Grid current THD:	Total THD<3%
The DC injection current:	<50mA
Rating grid frequency:	50/60Hz
Max efficiency:	>97%
Protection :	DC reverse-polarity protection; AC short circuit protection; islanding protection; temperature protection. Etc.
Size:	400W×700H×170D(mm)
Weight:	23kG
Topology:	Transformerless
Internal consumption:	<1W(Night)
Operation environment temperature:	-25~60°C
Ingress protection:	IP65
Interface:	RS485 and bluetooth
Design lifetime:	>20 years
Operating range utility frequency [Hz]:	47-52 or 57-62 (ajustable)
Utility monitoring:	Islanding protection V_{ac} , F_{ac} in accordance with UL 1741, G83/1, AS4777, AS3100, VDE 0126-1-1
Operation Surroundings humidity:	0~95%
Certification to Australian / NZ Standard AS 4777	
EMC:	EN61000-6-1:2007 EN61000-6-3:2007