



solis 5000_{DB} inverter

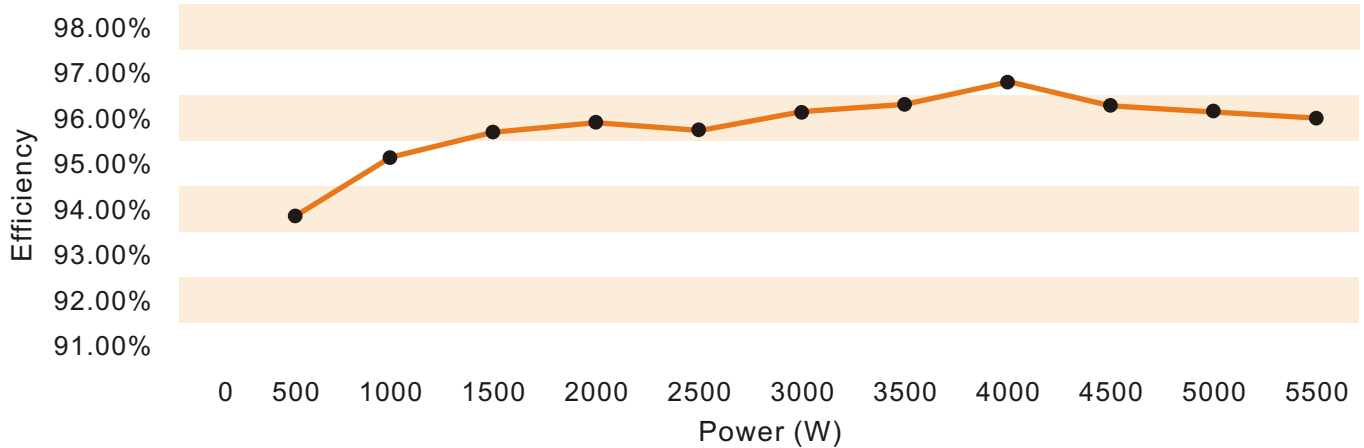


Solis 5000 Inverter Technical Specifications

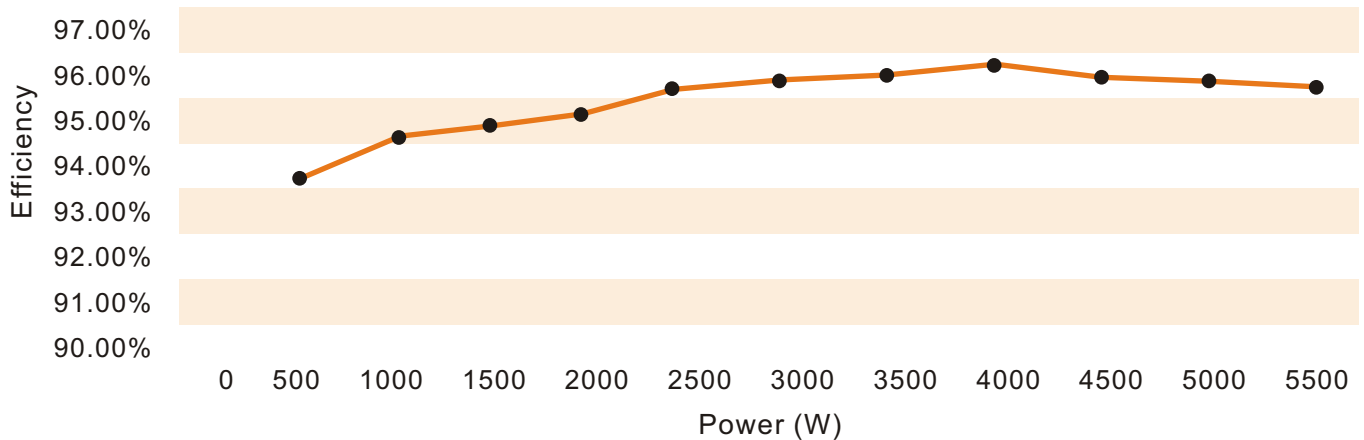
Max. DC input voltage	600Vdc
MPPT operating range	100-500V
DC nominal voltage	400V
Max. DC input current	15Adc+15Adc
Number of MPPT/Max. strings per MPPT	2/1
Rated output power	5kW
Max. Transient power	5.5kW
Rated grid voltage	230Vac
Grid voltage range	180~270Vac (adjustable)
Operating phase	Single
Rated grid output current	21.74Aac
Output power factor	>0.99
Grid current THD	Total THD<3%
DC injection current	<50mA
Rated grid frequency	50/60Hz
Max. Efficiency	>97%
Protection	DC reverse-polarity protection; AC short circuit protection; islanding protection; temperature protection. Etc.
Size	400W×740H×170D(mm)
Weight	23kG
Topology	Transformerless
Internal consumption	<1W(Night)
Operating environment temperature	-25℃~ 60℃
Ingress protection	IP65
Interface	Rs485 and Bluetooth
Designed 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
Operating surroundings humidity	0~95%
Certification to Australian / NZ Standard AS4777	
EMC	EN61000-6-1:2007 EN61000-6-3:2007

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Efficiency Curve (V=300V)



Efficiency Curve (V=450V)



Easy connections to simplify the installation process