



Leading Features

- ▶ Compact and lightweight, visually pleasing for domestic environment
- ▶ 50V-400V input voltage range — ultra low startup
- ▶ Over 96.7% Max.efficiency
- ▶ Precise MPPT algorithm
- ▶ IP65 rated for external installation
- ▶ RS 485, WiFi/GPRS (optional) interface
- ▶ Multiple protections levels
- ▶ WiFi monitoring available — iphone and android app available
- ▶ 5 years standard warranty, 10 years optional upgrade

Model	Solis-mini-700
Input Side (DC)	
Max. input power	0.9kW
Max. input voltage	450V
Start-up input voltage	60V
MPPT voltage range	50-400V
Max. input current	10A
MPPT number/Max. input strings number	1/1
Output Side (AC)	
Rated output power	0.7kW
Max. transient power	0.8kW
Rated grid voltage	220/230/240V
Grid voltage range	180~270V(adjustable)
Rated grid frequency	50/60Hz
Operating phase	Single
Max. output current	4.4A
Power factor	>0.99
Total harmonic distortion (THDi)	<3%
DC injection current	<20mA
Grid frequency range	47-52Hz or 57-62Hz(adjustable)
Efficiency	
Max. efficiency	96.7%
EU efficiency	96.2%
MPPT efficiency	99.9%
Protection	
DC reverse-polarity protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
Output over voltage protection	Yes
Insulation resistance monitoring	Yes
Residual current detection	Yes
Surge protection	Yes
Grid monitoring	Yes
Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional
General Data	
Dimensions	270W*417H*124D(mm)
Weight	5.2kg
Topology	Transformerless
Self consumption	<1W(Night)
Operating ambient temperature range	-25°C~60°C
Ingress protection	IP65
Noise emission(typical)	<30 dBA
Cooling concept	Natural convection
Max. operation altitude	2000m
Designed lifetime	>20 years
Grid connection standard	EN50438, G83/2, AS4777, VDE0126-1-1
Relative humidity	0~95%
Safety/EMC standard	EN61000-6-1:2007; EN61000-6-3:2007 IEC62109-1/2; AS3100
Features	
DC connection	MC-4 mateable
AC connection	IP67 rated plug
Display	LCD, 2 x 20 Z.
Interface	RS 485, WiFi/GPRS (optional)
Warranty	5~10 Years



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Model		Solis-mini-1000
Input Side (DC)		
Max. input power		1.2kW
Max. input voltage		450V
Start-up input voltage		60V
MPPT voltage range		50-400V
Max. input current		10A
MPPT number/Max. input strings number		1/1
Output Side (AC)		
Rated output power		1kW
Max. transient power		1.1kW
Rated grid voltage		220/230/240V
Grid voltage range		180~270V(adjustable)
Rated grid frequency		50/60Hz
Operating phase		Single
Max. output current		6.1A
Power factor		>0.99
Total harmonic distortion (THDi)		<3%
DC injection current		<20mA
Grid frequency range		47-52Hz or 57-62Hz(adjustable)
Efficiency		
Max. efficiency		96.7%
EU efficiency		96.2%
MPPT efficiency		99.9%
Protection		
DC reverse-polarity protection		Yes
Short circuit protection		Yes
Output over current protection		Yes
Output over voltage protection		Yes
Insulation resistance monitoring		Yes
Residual current detection		Yes
Surge protection		Yes
Grid monitoring		Yes
Islanding protection		Yes
Temperature protection		Yes
Integrated DC switch		Optional
General Data		
Dimensions		270W*417H*124D(mm)
Weight		5.2kg
Topology		Transformerless
Self consumption		<1W(Night)
Operating ambient temperature range		-25°C~60°C
Ingress protection		IP65
Noise emission(typical)		<30 dBA
Cooling concept		Natural convection
Max. operation altitude		2000m
Designed lifetime		>20 years
Grid connection standard		EN50438, G83/2, AS4777, VDE0126-1-1
Relative humidity		0~95%
Safety/EMC standard		EN61000-6-1:2007; EN61000-6-3:2007 IEC62109-1/2; AS3100
Features		
DC connection		MC-4 mateable
AC connection		IP67 rated plug
Display		LCD, 2 x 20 Z.
Interface		RS 485, WiFi/GPRS (optional)
Warranty		5~10 Years



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Model		Solis-mini-1500
Input Side (DC)		
Max. input power		1.8kW
Max. input voltage		450V
Start-up input voltage		60V
MPPT voltage range		50-400V
Max. input current		10A
MPPT number/Max. input strings number		1/1
Output Side (AC)		
Rated output power		1.5kW
Max. transient power		1.65kW
Rated grid voltage		220/230/240V
Grid voltage range		180~270V(adjustable)
Rated grid frequency		50/60Hz
Operating phase		Single
Max. output current		9.2A
Power factor		>0.99
Total harmonic distortion (THDi)		<3%
DC injection current		<20mA
Grid frequency range		47-52Hz or 57-62Hz(adjustable)
Efficiency		
Max. efficiency		96.7%
EU efficiency		96.2%
MPPT efficiency		99.9%
Protection		
DC reverse-polarity protection		Yes
Short circuit protection		Yes
Output over current protection		Yes
Output over voltage protection		Yes
Insulation resistance monitoring		Yes
Residual current detection		Yes
Surge protection		Yes
Grid monitoring		Yes
Islanding protection		Yes
Temperature protection		Yes
Integrated DC switch		Optional
General Data		
Dimensions		270W*417H*124D(mm)
Weight		5.6kg
Topology		Transformerless
Self consumption		<1W(Night)
Operating ambient temperature range		-25°C~60°C
Ingress protection		IP65
Noise emission(typical)		<30 dBA
Cooling concept		Natural convection
Max. operation altitude		2000m
Designed lifetime		>20 years
Grid connection standard		EN50438, G83/2, AS4777, VDE0126-1-1
Relative humidity		0~95%
Safety/EMC standard		EN61000-6-1:2007; EN61000-6-3:2007 IEC62109-1/2; AS3100
Features		
DC connection		MC-4 mateable
AC connection		IP67 rated plug
Display		LCD, 2 x 20 Z.
Interface		RS 485, WiFi/GPRS (optional)
Warranty		5~10 Years



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Model		Solis-mini-2000
Input Side (DC)		
Max. input power		2.4kW
Max. input voltage		500V
Start-up input voltage		60V
MPPT voltage range		50-400V
Max. input current		10A
MPPT number/Max. input strings number		1/1
Output Side (AC)		
Rated output power		2kW
Max. transient power		2.2kW
Rated grid voltage		220/230/240V
Grid voltage range		180~270V(adjustable)
Rated grid frequency		50/60Hz
Operating phase		Single
Max. output current		12.2A
Power factor		>0.99
Total harmonic distortion (THDi)		<3%
DC injection current		<20mA
Grid frequency range		47-52Hz or 57-62Hz(adjustable)
Efficiency		
Max. efficiency		96.7%
EU efficiency		96.2%
MPPT efficiency		99.9%
Protection		
DC reverse-polarity protection		Yes
Short circuit protection		Yes
Output over current protection		Yes
Output over voltage protection		Yes
Insulation resistance monitoring		Yes
Residual current detection		Yes
Surge protection		Yes
Grid monitoring		Yes
Islanding protection		Yes
Temperature protection		Yes
Integrated DC switch		Optional
General Data		
Dimensions		270W*417H*124D(mm)
Weight		5.6kg
Topology		Transformerless
Self consumption		<1W(Night)
Operating ambient temperature range		-25°C~60°C
Ingress protection		IP65
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Relative humidity		0~95%
Safety/EMC standard		EN61000-6-1:2007; EN61000-6-3:2007 IEC62109-1/2; AS3100
Features		
DC connection		MC-4 mateable
AC connection		IP67 rated plug
Display		LCD, 2 x 20 Z.
Interface		RS 485, WiFi/GPRS (optional)
Warranty		5~10 Years