

Mini 4G

700W
-
3600W

Solis Mini 4G Series Inverter

- ▶ MINI series - Extended to 3600W
- ▶ High frequency switching technology - Smaller, smarter
- ▶ DRM integrated, fully comply with AS4777.2:2015
- ▶ Compact and lightweight
- ▶ 50V-500V input voltage range- ultra low startup
- ▶ Over 97.5% Max. efficiency
- ▶ Precise MPPT algorithm
- ▶ Intergrated Export Power Manager(EPM)
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available-iphone and android app available
- ▶ 5 years standard warranty, 20 years optional upgrade



Model:

Solis-mini-700-4G

Solis-mini-1000-4G

Solis-mini-1500-4G

Solis-mini-2000-4G

Solis-mini-2500-4G

Solis-mini-3000-4G

Solis-mini-3600-4G

Features:

EPM

Export power
manager

HF SWITCH

High switch
frequency

WiFi/GPRS

Real time
monitoring

60V

Start-up
Voltage

Available on the iPhone
App Store

Available on the iPhone
App Store

IP65

Datasheet

Model	Solis-mini-700-4G	Solis-mini-1000-4G	Solis-mini-1500-4G	Solis-mini-2000-4G	Solis-mini-2500-4G	Solis-mini-3000-4G	Solis-mini-3600-4G
Energy Source	PV						
Input Side(DC)							
Max. DC input power(kW)	0.9	1.2	1.8	2.3	3	3.5	4
Max. DC input voltage(V)	600						
Start-up voltage(V)	60			90			
MPPT voltage range(V)	50-500			80-500			
Max. input current per MPPT(A)	11A						19A
MPPT number/Strings per MPPT input	1/A:1						1 / A:2
Output Side (AC)							
Rated output power(kW)	0.7	1	1.5	2	2.5	3	3.6
Max. apparent output power(kVA)	0.8	1.1	1.7	2.2	2.8	3.3	3.6
Max. output power(kW)	0.8	1.1	1.7	2.2	2.8	3.3	3.6
Rated grid voltage(V _{LL})	230						
Grid voltage range(V)	160-285						
Rated grid frequency(Hz)	50/60						
Operation phase	Single						
Rated grid output current(A)	3.0	4.3	6.5	8.7	10.9	13	16
Max. output current(A)	4.4	5.2	8.1	10.5	13.3	15.7	16
Power Factor (at rated output power)	0.8 leading ... 0.8 lagging						
THDi (at rated output power)	<1.5%						
DC injection current(mA)	<0.5%In						
Grid frequency range(Hz)	47-52 or 57-62						
Efficiency							
Max. efficiency	97.2%				97.5%		
EU efficiency	96.5%				96.8%		
MPPT efficiency	>99.5%						
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						
Islanding protection	Yes						
Temperature protection	Yes						
Integrated DC switch	Optional						
General Data							
Dimensions(mm)	310W*373H*160D						
Weight(kg)	7.4				7.7		
Topology	Transformerless						
Self consumption (night)	<1W(Night)						
Operating ambient temperature range	-25~60℃						
Ingress protection	IP65						
Noise emission{typical}	<20 dBA						
Cooling concept	Natural convection						
Max.operation altitude	4000m						
Designed lifetime	>20 years						
Grid connection standard	EN50438, G83/2, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105						
Relative humidity	0~100%						
Safety/EMC standard	IEC62109-1/-2, NB/T 32004, EN61000-6-1, EN61000-6-3						
Features							
DC connection	MC-4 mateable						
AC connection	IP67 rated plug						
Display	LCD,2×20 Z.						
Communication connections	4 pins RS485 connector						
Warranty	5 years standard (extend to 20 years)						

Mini 4G

700W

Solis Mini 4G Series Inverter

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Model:

Solis-mini-700-4G

Features:

EPM

Export power
manager

HF SWITCH

High switch
frequency

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Real time
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60V

Start-up
Voltage

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IP65

Datasheet

Model	Solis-mini-700-4G
Energy Source	PV
Input Side(DC)	
Max. DC input power(kW)	0.9
Max. DC input voltage(V)	600
Start-up voltage(V)	60
MPPT voltage range(V)	50-500
Max. input current per MPPT(A)	11A
MPPT number/Strings per MPPT input	1/A:1
Output Side (AC)	
Rated output power(kW)	0.7
Max. apparent output power(kVA)	0.8
Max. output power(kW)	0.8
Rated grid voltage(V _{LL})	230
Grid voltage range(V)	160-285
Rated grid frequency(Hz)	50/60
Operation phase	Single
Rated grid output current(A)	3.0
Max. output current(A)	4.4
Power Factor (at rated output power)	0.8 leading ... 0.8 lagging
THDi (at rated output power)	<1.5%
DC injection current(mA)	<0.5%I _n
Grid frequency range(Hz)	47-52 or 57-62
Efficiency	
Max. efficiency	97.2%
EU efficiency	96.5%
MPPT efficiency	>99.5%
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
Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional
General Data	
Dimensions(mm)	310W*373H*160D
Weight(kg)	7.4
Topology	Transformerless
Self consumption (night)	<1W(Night)
Operating ambient temperature range	-25~60°C
Ingress protection	IP65
Noise emission{typical}	<20 dBA
Cooling concept	Natural convection
Max.operation altitude	4000m
Designed lifetime	>20 years
Grid connection standard	EN50438, G83/2, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105
Relative humidity	0~100%
Safety/EMC standard	IEC62109-1/-2, NB/T 32004,EN61000-6-1, EN61000-6-3
Features	
DC connection	MC-4 mateable
AC connection	IP67 rated plug
Display	LCD,2×20 Z.
Communication connections	4 pins RS485 connector
Warranty	5 years standard (extend to 20 years)

Mini 4G

1000W

Solis Mini 4G Series Inverter

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- ▶ Over 97.5% Max. efficiency
- ▶ Precise MPPT algorithm
- ▶ Intergrated Export Power Manager(EPM)
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available-iphone and android app available
- ▶ 5 years standard warranty, 20 years optional upgrade



Model:

Solis-mini-1000-4G

Features:

EPM

Export power
manager

HF SWITCH

High switch
frequency

WiFi/GPRS

Real time
monitoring

60V

Start-up
Voltage

Available on the iPhone

App Store

Available on the iPhone

App Store

IP65

Datasheet

Model	Solis-mini-1000-4G
Energy Source	PV
Input Side(DC)	
Max. DC input power(kW)	1.2
Max. DC input voltage(V)	600
Start-up voltage(V)	60
MPPT voltage range(V)	50-500
Max. input current per MPPT(A)	11A
MPPT number/Strings per MPPT input	1/A:1
Output Side (AC)	
Rated output power(kW)	1
Max. apparent output power(kVA)	1.1
Max. output power(kW)	1.1
Rated grid voltage(V _{LL})	230
Grid voltage range(V)	160-285
Rated grid frequency(Hz)	50/60
Operation phase	Single
Rated grid output current(A)	4.3
Max. output current(A)	5.2
Power Factor (at rated output power)	0.8 leading ... 0.8 lagging
THDi (at rated output power)	<1.5%
DC injection current(mA)	<0.5%I _n
Grid frequency range(Hz)	47-52 or 57-62
Efficiency	
Max. efficiency	97.2%
EU efficiency	96.5%
MPPT efficiency	>99.5%
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
Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional
General Data	
Dimensions(mm)	310W*373H*160D
Weight(kg)	7.4
Topology	Transformerless
Self consumption (night)	<1W(Night)
Operating ambient temperature range	-25~60°C
Ingress protection	IP65
Noise emission{typical}	<20 dBA
Cooling concept	Natural convection
Max.operation altitude	4000m
Designed lifetime	>20 years
Grid connection standard	EN50438, G83/2, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105
Relative humidity	0~100%
Safety/EMC standard	IEC62109-1/-2, NB/T 32004, EN61000-6-1, EN61000-6-3
Features	
DC connection	MC-4 mateable
AC connection	IP67 rated plug
Display	LCD,2×20 Z.
Communication connections	4 pins RS485 connector
Warranty	5 years standard (extend to 20 years)

Mini 4G

1500W

Solis Mini 4G Series Inverter

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- ▶ 50V-500V input voltage range- ultra low startup
- ▶ Over 97.5% Max. efficiency
- ▶ Precise MPPT algorithm
- ▶ Intergrated Export Power Manager(EPM)
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available-iphone and android app available
- ▶ 5 years standard warranty, 20 years optional upgrade



Model:

Solis-mini-1500-4G

Features:

EPM

Export power
manager

HF SWITCH

High switch
frequency

WiFi/GPRS

Real time
monitoring

60V

Start-up
Voltage

Available on the iPhone

App Store

Available on the iPhone

App Store

IP65

Datasheet

Model	Solis-mini-1500-4G
Energy Source	PV
Input Side(DC)	
Max. DC input power(kW)	1.8
Max. DC input voltage(V)	600
Start-up voltage(V)	60
MPPT voltage range(V)	50-500
Max. input current per MPPT(A)	11A
MPPT number/Strings per MPPT input	1/A:1
Output Side (AC)	
Rated output power(kW)	1.5
Max. apparent output power(kVA)	1.7
Max. output power(kW)	1.7
Rated grid voltage(V _{LL})	230
Grid voltage range(V)	160-285
Rated grid frequency(Hz)	50/60
Operation phase	Single
Rated grid output current(A)	6.5
Max. output current(A)	8.1
Power Factor (at rated output power)	0.8 leading ... 0.8 lagging
THDi (at rated output power)	<1.5%
DC injection current(mA)	<0.5%I _n
Grid frequency range(Hz)	47-52 or 57-62
Efficiency	
Max. efficiency	97.2%
EU efficiency	96.5%
MPPT efficiency	>99.5%
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
Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional
General Data	
Dimensions(mm)	310W*373H*160D
Weight(kg)	7.4
Topology	Transformerless
Self consumption (night)	<1W(Night)
Operating ambient temperature range	-25~60°C
Ingress protection	IP65
Noise emission{typical}	<20 dBA
Cooling concept	Natural convection
Max.operation altitude	4000m
Designed lifetime	>20 years
Grid connection standard	EN50438, G83/2, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105
Relative humidity	0~100%
Safety/EMC standard	IEC62109-1/-2, NB/T 32004, EN61000-6-1, EN61000-6-3
Features	
DC connection	MC-4 mateable
AC connection	IP67 rated plug
Display	LCD,2×20 Z.
Communication connections	4 pins RS485 connector
Warranty	5 years standard (extend to 20 years)

Mini 4G

2000W

Solis Mini 4G Series Inverter

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- ▶ 50V-500V input voltage range- ultra low startup
- ▶ Over 97.5% Max. efficiency
- ▶ Precise MPPT algorithm
- ▶ Intergrated Export Power Manager(EPM)
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available-iphone and android app available
- ▶ 5 years standard warranty, 20 years optional upgrade



Model:

Solis-mini-2000-4G

Features:

EPM

Export power
manager

HF SWITCH

High switch
frequency

WiFi/GPRS

Real time
monitoring

60V

Start-up
Voltage

Available on the iPhone
App Store

Available on the iPhone
App Store

IP65

Datasheet

Model	Solis-mini-2000-4G
Energy Source	PV
Input Side(DC)	
Max. DC input power(kW)	2.3
Max. DC input voltage(V)	600
Start-up voltage(V)	90
MPPT voltage range(V)	80-500
Max. input current per MPPT(A)	11A
MPPT number/Strings per MPPT input	1/A:1
Output Side (AC)	
Rated output power(kW)	2
Max. apparent output power(kVA)	2.2
Max. output power(kW)	2.2
Rated grid voltage(V _{LL})	230
Grid voltage range(V)	160-285
Rated grid frequency(Hz)	50/60
Operation phase	Single
Rated grid output current(A)	8.7
Max. output current(A)	10.5
Power Factor (at rated output power)	0.8 leading ... 0.8 lagging
THDi (at rated output power)	<1.5%
DC injection current(mA)	<0.5%I _n
Grid frequency range(Hz)	47-52 or 57-62
Efficiency	
Max. efficiency	97.2%
EU efficiency	96.5%
MPPT efficiency	>99.5%
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
Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional
General Data	
Dimensions(mm)	310W*373H*160D
Weight(kg)	7.4
Topology	Transformerless
Self consumption (night)	<1W(Night)
Operating ambient temperature range	-25~60°C
Ingress protection	IP65
Noise emission{typical}	<20 dBA
Cooling concept	Natural convection
Max.operation altitude	4000m
Designed lifetime	>20 years
Grid connection standard	EN50438, G83/2, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105
Relative humidity	0~100%
Safety/EMC standard	IEC62109-1/-2, NB/T 32004, EN61000-6-1, EN61000-6-3
Features	
DC connection	MC-4 mateable
AC connection	IP67 rated plug
Display	LCD,2×20 Z.
Communication connections	4 pins RS485 connector
Warranty	5 years standard (extend to 20 years)

Mini 4G

2500W

Solis Mini 4G Series Inverter

- ▶ MINI series - Extended to 3600W
- ▶ High frequency switching technology - Smaller, smarter
- ▶ DRM integrated, fully comply with AS4777.2:2015
- ▶ Compact and lightweight
- ▶ 50V-500V input voltage range- ultra low startup
- ▶ Over 97.5% Max. efficiency
- ▶ Precise MPPT algorithm
- ▶ Intergrated Export Power Manager(EPM)
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available-iphone and android app available
- ▶ 5 years standard warranty, 20 years optional upgrade



Model:

Solis-mini-2500-4G

Features:

EPM

Export power
manager

HF SWITCH

High switch
frequency

WiFi/GPRS

Real time
monitoring

60V

Start-up
Voltage

Available on the iPhone
App Store

Available on the iPhone
App Store

IP65

Datasheet

Model	Solis-mini-2500-4G
Energy Source	PV
Input Side(DC)	
Max. DC input power(kW)	3
Max. DC input voltage(V)	600
Start-up voltage(V)	90
MPPT voltage range(V)	80-500
Max. input current per MPPT(A)	11A
MPPT number/Strings per MPPT input	1/A:1
Output Side (AC)	
Rated output power(kW)	2.5
Max. apparent output power(kVA)	2.8
Max. output power(kW)	2.8
Rated grid voltage(V _{LL})	230
Grid voltage range(V)	160-285
Rated grid frequency(Hz)	50/60
Operation phase	Single
Rated grid output current(A)	10.9
Max. output current(A)	13.3
Power Factor (at rated output power)	0.8 leading ... 0.8 lagging
THDi (at rated output power)	<1.5%
DC injection current(mA)	<0.5%I _n
Grid frequency range(Hz)	47-52 or 57-62
Efficiency	
Max. efficiency	97.5%
EU efficiency	96.8%
MPPT efficiency	>99.5%
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
Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional
General Data	
Dimensions(mm)	310W*373H*160D
Weight(kg)	7.7
Topology	Transformerless
Self consumption (night)	<1W(Night)
Operating ambient temperature range	-25~60°C
Ingress protection	IP65
Noise emission{typical}	<20 dBA
Cooling concept	Natural convection
Max.operation altitude	4000m
Designed lifetime	>20 years
Grid connection standard	EN50438, G83/2, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105
Relative humidity	0~100%
Safety/EMC standard	IEC62109-1/-2, NB/T 32004, EN61000-6-1, EN61000-6-3
Features	
DC connection	MC-4 mateable
AC connection	IP67 rated plug
Display	LCD,2×20 Z.
Communication connections	4 pins RS485 connector
Warranty	5 years standard (extend to 20 years)

Mini 4G

3000W

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- ▶ Precise MPPT algorithm
- ▶ Intergrated Export Power Manager(EPM)
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available-iphone and android app available
- ▶ 5 years standard warranty, 20 years optional upgrade



Model:

Solis-mini-3000-4G

Features:

EPM

Export power
manager

HF SWITCH

High switch
frequency

WiFi/GPRS

Real time
monitoring

60V

Start-up
Voltage

Available on the iPhone
App Store

Available on the iPhone
App Store

IP65

Datasheet

Model	Solis-mini-3000-4G
Energy Source	PV
Input Side(DC)	
Max. DC input power(kW)	3.5
Max. DC input voltage(V)	600
Start-up voltage(V)	90
MPPT voltage range(V)	80-500
Max. input current per MPPT(A)	11A
MPPT number/Strings per MPPT input	1/A:1
Output Side (AC)	
Rated output power(kW)	3
Max. apparent output power(kVA)	3.3
Max. output power(kW)	3.3
Rated grid voltage(V _{LL})	230
Grid voltage range(V)	160-285
Rated grid frequency(Hz)	50/60
Operation phase	Single
Rated grid output current(A)	13
Max. output current(A)	15.7
Power Factor (at rated output power)	0.8 leading ... 0.8 lagging
THDi (at rated output power)	<1.5%
DC injection current(mA)	<0.5%I _n
Grid frequency range(Hz)	47-52 or 57-62
Efficiency	
Max. efficiency	97.5%
EU efficiency	96.8%
MPPT efficiency	>99.5%
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
Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional
General Data	
Dimensions(mm)	310W*373H*160D
Weight(kg)	7.7
Topology	Transformerless
Self consumption (night)	<1W(Night)
Operating ambient temperature range	-25~60°C
Ingress protection	IP65
Noise emission{typical}	<20 dBA
Cooling concept	Natural convection
Max.operation altitude	4000m
Designed lifetime	>20 years
Grid connection standard	EN50438, G83/2, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105
Relative humidity	0~100%
Safety/EMC standard	IEC62109-1/-2, NB/T 32004, EN61000-6-1, EN61000-6-3
Features	
DC connection	MC-4 mateable
AC connection	IP67 rated plug
Display	LCD,2×20 Z.
Communication connections	4 pins RS485 connector
Warranty	5 years standard (extend to 20 years)

Mini 4G

3600W

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Model:

Solis-mini-3600-4G

Features:

EPM

Export power
manager

HF SWITCH

High switch
frequency

WiFi/GPRS

Real time
monitoring

60V

Start-up
Voltage

Available on the iPhone
App Store

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App Store

IP65

Datasheet

Model	Solis-mini-3600-4G
Energy Source	PV
Input Side(DC)	
Max. DC input power(kW)	4
Max. DC input voltage(V)	600
Start-up voltage(V)	90
MPPT voltage range(V)	80-500
Max. input current per MPPT(A)	19A
MPPT number/Strings per MPPT input	1 / A:2
Output Side (AC)	
Rated output power(kW)	3.6
Max. apparent output power(kVA)	3.6
Max. output power(kW)	3.6
Rated grid voltage(V _{LL})	230
Grid voltage range(V)	160-285
Rated grid frequency(Hz)	50/60
Operation phase	Single
Rated grid output current(A)	16
Max. output current(A)	16
Power Factor (at rated output power)	0.8 leading ... 0.8 lagging
THDi (at rated output power)	<1.5%
DC injection current(mA)	<0.5%I _n
Grid frequency range(Hz)	47-52 or 57-62
Efficiency	
Max. efficiency	97.5%
EU efficiency	96.8%
MPPT efficiency	>99.5%
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
Islanding protection	Yes
Temperature protection	Yes
Integrated DC switch	Optional
General Data	
Dimensions(mm)	310W*373H*160D
Weight(kg)	7.7
Topology	Transformerless
Self consumption (night)	<1W(Night)
Operating ambient temperature range	-25~60°C
Ingress protection	IP65
Noise emission{typical}	<20 dBA
Cooling concept	Natural convection
Max.operation altitude	4000m
Designed lifetime	>20 years
Grid connection standard	EN50438, G83/2, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105
Relative humidity	0~100%
Safety/EMC standard	IEC62109-1/-2, NB/T 32004, EN61000-6-1, EN61000-6-3
Features	
DC connection	MC-4 mateable
AC connection	IP67 rated plug
Display	LCD,2×20 Z.
Communication connections	4 pins RS485 connector
Warranty	5 years standard (extend to 20 years)