

# Solis-mini-(700-3600)-4G

## Solis 4G Mini Series Inverters



### Features:

- ▶ 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 - plus access to Android and Apple apps



### Model:

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|--------------------|--------------------|
| 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 |                    |

## Datasheet

Model Name	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
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### Input 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(A)	11A						19A
Max. Short Circuit current for each MPPT	17.2A						30A
MPPT number/Max input strings number	1/A:1						1/A:2

### Output 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
Rated grid voltage(V)	220/230						
Rated grid output current(A)	3.2/3.0	4.5/4.3	6.8/6.5	9.1/8.7	11.4/10.9	13.6/13	16
Max. output current(A)	4.4	5.2	8.1	10.5	13.3	15.7	16
Power Factor (at rated output power)	0.8leading ... 0.8lagging						
THDi (at rated output power)	<3%						

### Efficiency

Max. efficiency	97.2%			97.5%			
EU efficiency	96.5%			96.8%			
MPPT efficiency	>99.5%						

### Protection

DC reverse-polarity protection	Yes						
Insulation resistance monitoring	Yes						
Residual current detection	Yes						
Surge protection	Yes						
Islanding 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°C						
Relative humidity	0-100%						
Ingress protection	IP65						
Noise emission(typical)	<20dBA						
Cooling concept	Natural convection						
Max. operation altitude	4000m						
Grid connection standard	EN50549, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE4105-2018, G99						
Safety / EMC standard	IEC62109-1/-2, NBT32004-2018, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4						

### Features

DC connection	MC4						
AC connection	IP67 rated plug						
Display	LCD, 2×20 Z.						
Communication connections	4 Pin RS485 connector						
Monitoring	WiFi or GPRS						
Warranty	5 Years /10 Years /15 Years /20 Years						