

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

## Solis Mini Series Inverters



360 degree

### Features:

- ▶ Max. efficiency 97.5%
- ▶ Complies with Western Power, SA, VIC, QLD, and NSW grid requirements
- ▶ Integrate with adjustable Volt-Watt and Volt-Var function
- ▶ DRM integrated, fully comply with AS4777.2:2015
- ▶ Built-in DC-PV2 Switch, comply with AS/NZS 5033 requirements
- ▶ Support 24h consumption monitoring with a smart meter
- ▶ Super high frequency switching technology
- ▶ Precise MPPT algorithm
- ▶ Integrated Export Power Manager (EPM)
- ▶ Compact and lightweight
- ▶ Voltage active power and reactive power



### 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	Solis-mini-1500-4G-WP
Solis-mini-2000-4G-WP	Solis-mini-2500-4G-WP

## 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	Solis-mini-1500-4G-WP	Solis-mini-2000-4G-WP	Solis-mini-2500-4G-WP
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### Input DC

Recommended max. PV power	930 W	1330 W	2000 W	2660 W	3330 W	4000 W	4780 W	2000 W	2660 W	3330 W	
Max. input voltage	600 V										
Rated voltage	200 V			330 V				200 V	330 V		
Start-up voltage	60 V			90 V				60 V	90 V		
MPPT voltage range	50-500 V			80-500 V				50-500 V	80-500 V		
Max. input current	11 A					19 A		11 A			
Max. short circuit current	17.2 A					30 A		17.2 A			
MPPT number/Max. input strings number	1/1					1/2		1/1			

### Output AC

Rated output power	700 W	1000 W	1500 W	2000 W	2500 W	3000 W	3600 W	1500 W	2000 W	2500 W
Max. apparent output power	800 VA	1100 VA	1700 VA	2200 VA	2800 VA	3300 VA	3600 VA	1500 VA	2000 VA	2500 VA
Max. output power	800 W	1100 W	1700 W	2200 W	2800 W	3300 W	3600 W	1500 W	2000 W	2500 W
Rated grid voltage	1/N/PE, 230 V									
Rated grid frequency	50 Hz									
Rated grid output current	3.0 A	4.3 A	6.5 A	8.7 A	10.9 A	13 A	16 A	6.5 A	8.7 A	10.9 A
Max. output current	4.4 A	5.2 A	8.1 A	10.5 A	13.3 A	15.7 A	16 A	7.2 A	9.6 A	12.0 A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)									
THDi	<3%									

### Efficiency

Max. efficiency	97.2%			97.5%			97.2%		97.5%	
EU efficiency	96.5%			96.8%			96.5%		96.8%	

### Protection

DC reverse-polarity protection	Yes									
Short circuit protection	Yes									
Output over current protection	Yes									
Surge protection	Yes									
Grid monitoring	Yes									
Anti-islanding protection	Yes									
Temperature protection	Yes									
Integrated AFCI (DC arc-fault circuit protection)	Yes									
Integrated DC switch	Yes (PV2 Switch)									

### General Data

Dimensions (W*H*D)	310*373*160 mm									
Weight	7.4 kg				7.7 kg			7.4 kg		7.7 kg
Topology	Transformerless									
Self consumption (night)	<1 W									
Operating ambient temperature range	-25 ~ +60°C									
Relative humidity	0-100%									
Ingress protection	IP65									
Cooling concept	Natural convection									
Max. operation altitude	4000 m									
Grid connection standard	AS/NZS 4777.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530									
Safety/EMC standard	IEC 62109-1/-2, IEC 61000-6-1/-2/-3/-4									

### Features

DC connection	MC4 connector									
AC connection	Quick connection plug									
Display	LCD									
Communication	RS485, Optional: Wi-Fi, GPRS									