

# Solis-mini-(1000-3000)-4G

## Solis Mini Series Inverters



360 degree

### Features:

- ▶ Max. efficiency 97.5%
- ▶ Super high frequency switching technology
- ▶ Wide voltage range and low startup voltage
- ▶ Precise MPPT algorithm
- ▶ Intergrated Export Power Manager (EPM)
- ▶ Compact and lightweight
- ▶ Friendly and adaptable connection to the grid



### Model:

- |                    |                    |
|--------------------|--------------------|
| Solis-mini-1000-4G | Solis-mini-1500-4G |
| Solis-mini-2000-4G | Solis-mini-2500-4G |
| Solis-mini-3000-4G |                    |

## Datasheet

Model Name	Solis-mini-1000-4G	Solis-mini-1500-4G	Solis-mini-2000-4G	Solis-mini-2500-4G	Solis-mini-3000-4G
<b>Input DC</b>					
Recommended max. PV power	1500W	2250kW	3000W	3500W	3600W
Max. input voltage	600V				
Rated voltage	330V				
Start-up voltage	60V		90V		
MPPT voltage range	50-500V		80-500V		
Max. input current	11A				
Max. short circuit current	17.2A				
MPPT number/Max. input strings number	1/1				
<b>Output AC</b>					
Rated output power	1kW	1.5kW	2kW	2.5kW	3kW
Max. apparent output power	1.1kVA	1.7kVA	2.2kVA	2.8kVA	3.3kVA
Max. output power	1.1kW	1.7kW	2.2kW	2.8kW	3.3kW
Rated grid voltage	1/N/PE, 220/230V				
Rated grid frequency	50/60Hz				
Rated grid output current	4.5A/4.3A	6.8A/6.5A	9.1A/8.7A	11.4A/10.9A	13.6A/13A
Max. output current	5.2A	8.1A	10.5A	13.3A	15.7A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)				
THDi	<3%				
<b>Efficiency</b>					
Max. efficiency	97.2%		97.5%		
EU efficiency	96.5%		96.8%		
<b>Protection</b>					
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 DC switch	Yes				
<b>General Data</b>					
Dimensions (W*H*D)	310*373*160 mm				
Weight	7.4kg		7.7kg		
Topology	Transformerless				
Self consumption	<1W (night)				
Operating ambient temperature range	-25 ~ +60°C				
Relative humidity	0-100%				
Ingress protection	IP65				
Cooling concept	Natural convection				
Max. operation altitude	4000m				
Grid connection standard	VDE-AR-N 4105, VDE V 0124, VDE V 0126-1-1, UTE C15-712-1, NRS 097-1-2, G98, G99, EN 50549-1/-2, RD 1699, UNE 206006, UNE 206007-1, IEC 61727				
Safety/EMC standard	IEC 62109-1/-2, IEC 62116, EN 61000-6-1/-2/-3/-4				
<b>Features</b>					
DC connection	MC4 connector				
AC connection	Quick connection plug				
Display	LCD				
Communication	RS485, Optional: Wi-Fi, GPRS				