

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

Solis Mini Series Inverters



360 degree

Features:

- ▶ Over 97.5% Max. efficiency
- ▶ 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-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

Recommended max. PV power	0.9kW	1.2kW	1.8kW	2.3kW	3kW	3.5kW	4kW
Max. input voltage	600V						
Rated voltage	200V			330V			
Start-up voltage	60V			90V			
MPPT voltage range	50-500V			80-500V			
Max. input current	11A						19A
Max. short circuit current	17.2A						30A
MPPT number/Max. input strings number	1/1						1/2

Output AC

Rated output power	0.7kW	1kW	1.5kW	2kW	2.5kW	3kW	3.6kW
Max. apparent output power	0.8kVA	1.1kVA	1.7kVA	2.2kVA	2.8kVA	3.3kVA	3.6kVA
Max. output power	0.8kW	1.1kW	1.7kW	2.2kW	2.8kW	3.3kW	3.6kW
Rated grid voltage	1/N/PE, 220/230V						
Rated grid frequency	50/60Hz						
Rated grid output current	3.2/3.0A	4.5/4.3A	6.8/6.5A	9.1/8.7A	11.4/10.9A	13.6/13A	16A
Max. output current	4.4A	5.2A	8.1A	10.5A	13.3A	15.7A	16A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)						
THDi	<3%						

Efficiency

Max. efficiency	97.2%			97.5%			
EU efficiency	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 DC switch	Optional

General Data

Dimensions (W*H*D)	310*373*160 mm
Weight	7.4kg
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

Features

DC connection	MC4 connector
AC connection	Quick connection plug
Display	LCD, 2x20 Z
Communication	RS485, Optional: Wi-Fi, GPRS