

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

Solis Mini Series Inverters



360 degree

Features:

- ▶ Max. efficiency 97.5%
- ▶ Complies with all state network requirements
- ▶ Integrate with adjustable Volt-Watt and Volt-Var function
- ▶ DRM integrated, fully comply with AS4777.2:2020
- ▶ Built-in DC-PV2 Switch (optional), comply with AS/NZS 5033 requirements
- ▶ Support 24h consumption monitoring with a smart meter
- ▶ Super high frequency switching technology
- ▶ AFCI protection, proactively reduces fire risk
- ▶ 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	

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	0.93 kW	1.33 kW	2 kW	2.66 kW	3.33 kW	4 kW	4.78 kW
Max. input voltage	600 V						
Rated voltage	200 V			330 V			
Start-up voltage	60 V			90 V			
MPPT voltage range	50-500 V			80-500 V			
Max. input current	11 A						19 A
Max. short circuit current	17.2 A						24 A
MPPT number/Max. input strings number	1/1						1/2

Output AC

Rated output power	0.7 kW	1 kW	1.5 kW	2 kW	2.5 kW	3 kW	3.6 kW
Rated apparent output power	0.7 kVA	1 kVA	1.5 kVA	2 kVA	2.5 kVA	3 kVA	3.6 kVA
Max. apparent output power	0.7 kVA	1 kVA	1.5 kVA	2 kVA	2.5 kVA	3 kVA	3.6 kVA
Max. output power	0.7 kW	1 kW	1.5 kW	2 kW	2.5 kW	3 kW	3.6 kW
Rated grid voltage	1/N/PE, 230 V						
Rated grid frequency	50 Hz						
Rated grid output current	4.4 A	5.2 A	8.1 A	10.5 A	13.3 A	15.7 A	16 A
Max. output current	4.4 A	5.2 A	8.1 A	10.5 A	13.3 A	15.7 A	16 A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)						
THDi	<3%						

Efficiency

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

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	Yes (PV2 Switch)						
Integrated AFCI (DC arc-fault circuit protection)	Yes ⁽¹⁾						

General Data

Dimensions (W*H*D)	310*373*160 mm						
Weight	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	2000 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						
Country of manufacture	China						

(1) Activation required.