

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

Solis Mini Series Inverters



360 degree

Features:

- ▶ Max. efficiency 97.5%
- ▶ Complies with all state networks 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
- ▶ 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						30 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
Max. apparent output power	0.8 kVA	1.1 kVA	1.7 kVA	2.2 kVA	2.8 kVA	3.3 kVA	3.6 kVA
Max. output power	0.8 kW	1.1 kW	1.7 kW	2.2 kW	2.8 kW	3.3 kW	3.6 kW
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
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	Optional (PV2 Switch)

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