

Solis-mini-(700-3000)-4G,Solis-mini-(1500-2500)-4G-WP

Solis 4G Mini Series Inverters



Features:

- Mini series - Extended to 3000W
- High frequency switching technology-Smaller, smarter
- 24-hour load consumption monitoring
- DRM integrated, fully comply with AS4777.2:2015
- Compact and lightweight
- 50V-500V input voltage range-ultra low startup
- Over 97.5% Max. efficiency
- Precise MPPT algorithm
- Intergrated Export Power Manager (EPM)
- RS485, WiFi/LAN/GPRS (optional) interface
- WiFi monitoring available-plus access to Android and Apple apps



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-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-1500-4G-WP	Solis-mini-2000-4G-WP	Solis-mini-2500-4G-WP
Input DC									
Max. DC input power(kW)	0.93	1.33	2.0	2.66	3.33	4.0	2	2.66	3.33
Max. DC input voltage(V)					600				
Nominal DC voltage(V)		200			330		200		330
Start-up voltage(V)		60			90		60		90
MPPT voltage range(V)		50-500			80-500		50-500		80-500
Max. input current(A)					11A				
Max. Short Circuit current for each MPPT					17.2A				
MPPT number/ Max input strings number					1/1				
Output AC									
Rated output power(kW)	0.7	1	1.5	2	2.5	3	1.5	2	2.5
Max. apparent output power(kVA)	0.8	1.1	1.7	2.2	2.8	3.3	1.5	2	2.5
Rated grid voltage(V)					230				
Rated grid output current(A)	3.0	4.3	6.5	8.7	10.9	13	6.5	8.7	10.9
Max. output current(A)	4.4	5.2	8.1	10.5	13.3	15.7	7.2	9.6	12.0
THDi (at rated output power)					<3%				
Efficiency									
Max. efficiency		97.2%			97.5%		97.2%		97.5%
EU efficiency		96.5%			96.8%		96.5%		96.8%
MPPT efficiency					>99.5%				
Protection									
DC reverse-polarity protection					Yes				
Insulation resistance monitoring					Yes				
Residual current detection					Yes				
Surge protection					Yes				
Islanding protection					Yes				
Temperature protection					Yes				
Integrated DC switch					Optional				
General Data									
Dimensions(mm)					310W*373H*160D				
Weight (kg)		7.4			7.7		8.5		8.8
Topology					Transformerless				
Self consumption (night)			<1W (Night)					<10W (Night)	
Operating ambient temperature range					-25~60°C				
Relative humidity					0-100%				
Ingress protection					IP65				
Noise emission(typical)					<20dBA				
Cooling concept					Natural convection				
Max. operation altitude					4000m				
Designed lifetime					>20 years				
Grid connection standard		EN505049, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE4105-2018, G99, IEC 62116					EN50549, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE4105-2018, G99, IEC 62116		
Safety/EMC standard		IEC62109-1/-2, NBT32004-2018, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4					IEC62109-1/-2, NBT32004-2018, EN61000-6-1, EN61000-6-3		
Features									
DC connection					MC4				
AC connection					IP67 rated plug				
Display					LCD, 2x20 Z.				
Communication connections					4 Pin RS485 connector				
Monitoring					WiFi or GPRS				
Warranty					5 years (extend to 20 years)				
DRM function for AUS					Integrated DRM function for AUS				