Single 4G

7kW
-
10kW

4G

All NEW Solis Series

Solis 4G Single Phase Inverter

- All New Solis 4G Single Phase Range
- All New Design – Smaller, Lighter and Smarter
- Dual and now Three MPPT options available
- Built-in Export power management
- High Frequency Switching - Significantly reduces inductance loss and noise levels
- WiFi and GPRS monitoring available---iphone and android app available
- 5 years standard warranty, 20 years optional upgrade

Model:

Solis–1P7K–4G Solis–1P8K–4G
Solis–1P9K–4G Solis–1P10K–4G

Features:

Three	HF SWITCH	Weight	AFCI	IP65	
MPPT	High switch frequency	18kg	Optional		Available on the iPhone App Store Available on the iPhone App Store

Model	Solis-1P7K-4G	Solis-1P8K-4G	Solis-1P9K-4G	Solis-1P10K-4G
Energy Source	PV			
Input Side(DC)				
Max. DC input power(kW)	8	9.2	10.8	11.5
Max. DC input voltage(V)	600			
Start-up voltage(V)	120			
MPPT voltage range(V)	100–500			
Max. input current(A)	10A+10A+10A			
MPPT number/Max input strings number	3/3			
Output Side (AC)				
Rated output power(kW)	7	8	9	10
Max. apparent output power(kVA)	7.7	8.8	9.9	10
Max. output power(kW)	7.7	8.8	9.9	10
Rated grid voltage(V)	230			
Grid voltage range(V)	160-285			
Rated grid frequency(Hz)	50/60			
Operation phase	single			
Rated grid output current(A)	30.4	34.8	39.1	43.5
Max. output current(A)	33.7	36.6	41.3	45.9
Power Factor (at rated output power)	0.8…1…0.8			
THDi (at rated output power)	<1.5%			
DC injection current(mA)	<20			
Grid frequency range(Hz)	47–52 or 57–62			
Efficiency				
Max.efficiency	98.1%			
EU efficiency	97.6%			
MPPTefficiency	>99.5%			
Protection				
DC reverse-polarity protection	Yes			
Short circuit protection	Yes			
Output over current protection	Yes			
Output over voltage 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				
Dimensins(mm)	333W*573H*249D (mm)			
Weight(kg)	18			
Topology	Transformerless			
Self consumption (night)	<1W(Night)			
Operating ambient temperature range	-25~60℃			
Ingress protection	IP65			
Noise emission{typical}	<30 dBA			
Cooling concept	Natural convection			
Max.operation altitude	4000m			
Designed lifetime	>20years			
Grid connection standard	EN50438, G83/2, G59/3, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105			
Relative humidity	0~100%			
Safty/EMC standard	IEC62109-1/-2, NB/T 32004,EN61000-6-1, EN61000-6-3			
Features				
DC connection	MC-4mateable			
AC connection	IP67rated plug			
Display	LCD,2×20 Z.			
Communication connections	4 pins RS485 connector			
Warranty	5 years standard (extend to 20 years)			