



Solis 3P 4G Three Phase Inverter

- ▶ Solis 4G Three Phase Range
- ▶ 160V-850V MPPT voltage range-ultra low startup
- ▶ Dual MPPT design with precise MPPT algorithm
- ► THDi<1.5%, low harmonic distortion against grid
- ▶ Over 98.7% Max.efficiency
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ► Multiple protections levels
- ▶ WiFi monitoring available-iphone and android app available
- ▶ 5 years standard (extendable up to 20 years)



Model:

Solis-3P5K-4G-AU Solis-3P9K-4G-AU

Solis-3P6K-4G-AU

Solis-3P10K-4G-AU

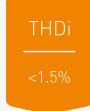
Solis-3P15K-4G-AU Solis-3P17K-4G-AU

Solis-3P8K-4G-AU

Solis-3P12K-4G-AU

Solis-3P20K-4G-AU

Features:



IP65

AFCI

WiFi/GPRS



Datasheet

Model	Solis-3P5K-4G-AU	Solis-3P6K-4C-AL	Solis-3P8K-4C-AU	Solis-3P9K-4G-AU	Solis-3P10K-4G-AU	Solis-3P12K-4G-AL	Solis-3P15K-4G-AL	Solis-3P17K-4G-AL	 Solis-3P20K-4C-A	
Energy Source	Solis-3P5K-4G-AU Solis-3P6K-4G-AU Solis-3P8K-4G-AU Solis-3P9K-4G-AU Solis-3P9K-4G-AU Solis-3P10K-4G-AU Solis-3P12K-4G-AU Solis-3P15K-4G-AU Solis-3P17K-4G-AU Solis-3P2K-4G-AU									
					PV					
Input Side(DC) May DC input power(kM)	40	40	40	42.5	4.5	40	22.5	24	24	
Max. DC input power(kW)	10	12	12	13.5	15	18	22.5	24	24	
Max. DC input voltage(V)	1000									
Start-up voltage(V)					180					
MPPT voltage range(V)	160-850									
Max. input current per MPPT(A)	22+		22+22							
MPPT number/Max input strings number	2/	2				2/4				
Output Side (AC)										
Rated output power(kW)	5	6	8	9	10	12	15	17	20	
Max. apparent output power(kVA)	5.5	6.6	8.8	9.9	11	13.2	16.5	18.7	22	
Max. output power(kW)	5.5	6.6	8.8	9.9	11	13.2	16.5	18.7	22	
Rated grid voltage(V _{LL})	400									
Rated grid frequency(Hz)	50/60									
Operation phase	Three									
Rated grid output current(A)	7.2	8.7	11.5	13	14.4	17.3	21.7	24.6	28.9	
Max. output current(A)	7.9	9.5	12.7	14.3	15.9	19.1	23.8	27	31.8	
Power Factor (at rated output power)	0.8 leading 0.8 lagging									
THDi	<1.5%									
DC injection current(mA)	<0.5%In									
Grid frequency range(Hz)	47-52 or 57-62									
Efficiency										
Max.efficiency		98	.3%		98.7%					
EU efficiency	97.8% 98.1%									
MPPT efficiency	>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/ Surge protection	Yes/Yes									
Islanding protection/ Temperature protection	Yes/Yes									
Integrated DC switch	Optional									
General Data										
Dimensions(mm)				į	63W*310H*219	D				
Weight(kg)	18.9								9.8	
Topology	Transformerless									
Self consumption (night)	<1W(Night)									
Operating ambient temperature range	-25~60°C									
Ingress protection	-25-00 C IP65									
Noise emission{typical}	<30 dBA									
Cooling concept	Natural convection Natural Convection + Redundancy Fan								an	
Max.operation altitude	Natural convection 4000m					Natural Convection + Regulidaticy Fall				
Designed lifetime										
Grid connection standard	>20 years FN50438 G83/2 AS4777 2:2015 VDE0126-1-1 JEC61727 VDE N4105									
Relative humidity	EN50438, G83/2, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105 0~100%									
Safety/EMC standard	IEC62109-1/-2, NB/T 32004,EN61000-6-1, EN61000-6-3									
			IEC	02 100-11-2, NB/	1 32004,EN0100	70-0-1, ENO 1000	, 0-0			
Features					MC 4 materials					
DC connection	MC-4 mateable									
AC connection	IP67 rated plug									
Display		LCD,2×20 Z.								
Communication connections	4 pins RS485 connector									
Warranty		5 years standard (extendable up to 20 years)								
DRM function	Integrated DRM function									
Backfeed control				Intetraged bac	kfeed control fur	oction(Optional)				