

Solis-3P(5-10)K-4G-AU, Solis-3P(12-20)K-4G Solis-3P5K-4G-AU-MX

Solis 4G Three Phase Inverters



Features:

- ▶ Solis 3P 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
- ▶ Multiple protections functions
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available-plus access to Android and Apple apps



Model:

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|---------------------|-------------------|------------------|
| Solis-3P5K-4G-AU | Solis-3P6K-4G-AU | Solis-3P8K-4G-AU |
| Solis-3P9K-4G-AU | Solis-3P10K-4G-AU | Solis-3P12K-4G |
| Solis-3P15K-4G | Solis-3P17K-4G | Solis-3P20K-4G |
| Solis-3P5K-4G-AU-MX | | |

Datasheet

Model Name	Solis-3P5K-4G-AU	Solis-3P5K-4G-AU-MX	Solis-3P6K-4G-AU	Solis-3P8K-4G-AU	Solis-3P9K-4G-AU	Solis-3P10K-4G-AU	Solis-3P12K-4G	Solis-3P15K-4G	Solis-3P17K-4G	Solis-3P20K-4G	
Input DC											
Max. DC input power(kW)	10	10	12	12	13.5	15	18	22.5	24	24	
Max. DC input voltage(V)	1000										
Nominal DC voltage(V)	600										
Start-up voltage(V)	180										
MPPT voltage range(V)	160-850										
Max. input current(A/B)	22A+11A				22A+22A						
Max. Short Circuit current for each MPPT	34.3A+17.2A				34.3A+34.3A						
MPPT number/ Max input strings number	2/2				2/4						
Output AC											
Rated output power(kW)	5	4.999	6	8	9	10	12	15	17	20	
Max. apparent output power(kVA)	5.5	4.999	6.6	8.8	9.9	11	13.2	16.5	18.7	22	
Rated grid voltage(V)	400										
Rated grid frequency(Hz)	50/60										
Operation phase	Three Phase										
Rated grid output current(A)	7.2	7.2	8.7	11.5	13.0	14.4	17.3	21.7	24.6	28.9	
Max. output current(A)	7.9	7.9	9.5	12.7	14.3	15.9	19.1	23.8	27	31.8	
Power Factor (at rated output power)	0.8leading ... 0.8lagging										
THDi (at rated output power)	<1.5%										
Efficiency											
Max. efficiency	98.3%				98.7%						
EU efficiency	97.8%				98.1%						
MPPT efficiency	>99.5%										
Protection											
DC reverse-polarity protection	Yes										
Insulation resistance monitoring	Yes										
Residual current detection	Yes										
Surge protection	Yes										
Grid monitoring	Yes										
Islanding protection	Yes										
General Data											
Dimensions(mm)	563*310*219mm										
Weight (kg)	18.9							19.8			
Topology	Transformerless										
Self consumption (night)	<1W (Night)										
Operating ambient temperature range	-25~60°C										
Relative humidity	0~100%										
Ingress protection	IP65										
Noise emission(typical)	<60 dBA										
Cooling concept	Intelligent fan-cooling										
Max. operation altitude	4000m										
Grid connection standard	EN50549, AS4777, VDE0126-1-1, IEC61727, G98, G99										
Safety/EMC standard	IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4										
Features											
DRM	Yes										
DC connection	MC4										
AC connection	Terminal connectors										
Display	LCD, 2x20 Z.										
Communication connections	4 Pin RS485 connector										
Monitoring	WiFi or GPRS										
Warranty	5 years (extend to 20 years)										