

Solis-3P(3-10)K-4G

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 98.3% Max. efficiency
- ▶ Multiple protections levels
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available - plus access to Android and Apple apps



Model:

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|----------------|---------------|---------------|
| Solis-3P3K-4G | Solis-3P4K-4G | Solis-3P5K-4G |
| Solis-3P6K-4G | Solis-3P8K-4G | Solis-3P9K-4G |
| Solis-3P10K-4G | | |

Datasheet

Model Name	Solis-3P3K-4G	Solis-3P4K-4G	Solis-3P5K-4G	Solis-3P6K-4G	Solis-3P8K-4G	Solis-3P9K-4G	Solis-3P10K-4G
Input DC							
Max. DC input power(kW)	3.6	4.8	6	7.2	9.6	10.8	12
Max. DC input voltage(V)	1000						
Start-up voltage(V)	180						
MPPT voltage range(V)	160-850						
Max. input current(A/B)	11A+11A						
Max. Short Circuit current for each MPPT	17.2A+17.2A						
MPPT number/Max input strings number	2/A:1; B:1						
Output AC							
Rated output power(kW)	3	4	5	6	8	9	10
Max. apparent output power(kVA)	3.3	4.4	5.5	6.6	8.8	9.9	11
Max. output power(kW)	3.3	4.4	5.5	6.6	8.8	9.9	11
Rated grid voltage(V)	400						
Rated grid frequency(Hz)	50/60						
Operation phase	Three Phase						
Rated grid output current(A)	4.3	5.8	7.2	8.7	11.5	13.0	14.4
Max. output current(A)	4.7	6.4	7.9	9.5	12.7	14.2	15.9
Power Factor (at rated output power)	0.8leading ... 0.8lagging						
THDi (at rated output power)	<1.5%						
DC injection current	<0.5%In						
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	Yes						
Surge protection	Yes						
Grid monitoring	Yes						
Islanding protection	Yes						
Temperature protection	Yes						
Integrated DC switch	Optional						
General Data							
Dimensions (mm)	310W*538H*158D						
Weight (kg)	17.3			18			
Topology	Transformerless						
Self consumption (night)	<1W (Night)						
Operating ambient temperature range	-25~60°C						
Relative humidity	0~100%						
Ingress protection	IP65						
Noise emission (typical)	<30 dBA						
Cooling concept	Natural convection						
Max. operation altitude	4000m						
Designed lifetime	>20 years						
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							
DC connection	MC4						
AC connection	Terminal connectors						
Display	LCD, 2×20 Z.						
Communication connections	4 Pin RS485 connector						
Monitoring	WiFi or GPRS						
Warranty	5 Years /10 Years /15 Years /20 Years						