

Three

5kW
-
15kW

Solis Three PV Inverter

- ▶ Three phase output
- ▶ Precise MPPT algorithm
- ▶ Compact and light design, easy installation
- ▶ IP65 rated for outdoor installation
- ▶ RS485, WiFi/GPRS (optional) interface
- ▶ WiFi and monitoring app available
- ▶ Numerous protection functions
- ▶ 5 years standard warranty, 20 years optional upgrade



Model:

Solis-3P5K

Solis-6K

Solis-10K

Solis-15K

Features:

Fanless
Cooling
Concept

Ultra wide
Voltage
Range

WiFi/GPRS
Real time
monitoring

Available on the iPhone
App Store
Available on the Android
App Store

IP65

Weight
29kg

Datasheet

Model	Solis-3P5K	Solis-6K	Solis-10K	Solis-15K
Energy Source	PV			
Input Side(DC)				
Max. DC input power(kW)	6.5	6.9	11.5	16.5
Max. DC input voltage(V)	1000			
Start-up voltage(V)	250			
MPPT voltage range(V)	200-800			
Max. input current(A)	15A+15A	15A+15A	18A+18A	18A+18A
MPPT number/Max input strings number	2/2	2/2	2/4	2/4
Output Side (AC)				
Rated output power(kW)	5	6	10	15
Max. apparent output power(kVA)	5.5	6.6	11	15
Max. output power(kW)	5.5	6.6	11	15
Rated grid voltage(V)	400			
Grid voltage range(V)	313-470			
Rated grid frequency(Hz)	50/60			
Operation phase	Three			
Rated grid output current(A)	7.2	8.7	14.4	21.7
Max. output current(A)	8.4	10	16.7	25
Power Factor (at rated output power)	0.8...1...0.8			
THDi (at rated output power)	<3%			
DC injection current(mA)	<20			<50
Grid frequency range(Hz)	47-52 or 57-62			
Efficiency				
Max. efficiency	98.2%			98.3%
EU efficiency	97.3%			97.5%
MPP Tefficiency	>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)	430W*613H*269D (mm)			
Weight(kg)	29			30
Topology	Transformerless			
Self consumption (night)	<1W(Night)			
Operating ambient temperature range	-25~60°C			
Ingress protection	IP65			
Noise emission{typical}	<30 dBA			
Cooling concept	Natural convection			
Max.operation altitude	4000m			
Designed lifetime	>20years			
Grid connection standard	EN50438, G59/3, AS4777, VDE0126-1-1, IEC61727			
Relative humidity	0~100%			
Safty/EMC standard	IEC62109-1/-2, AS3100, 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)			