

Three

6kW
-
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-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 iPhone
App Store

IP65

Weight
—
29kg

Datasheet

Model	Solis-6K	Solis-10K	Solis-15K
Energy Source	PV		
Input Side(DC)			
Max. DC input power(kW)	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	18A+18A	18A+18A
MPPT number/Max input strings number	2/2	2/4	2/4
Output Side (AC)			
Rated output power(kW)	6	10	15
Max. apparent output power(kVA)	6.6	11	15
Max. output power(kW)	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)	8.7	14.4	21.7
Max. output current(A)	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%
MPPT efficiency	>99%	>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			
Dimensions(mm)	430W*613H*269D (mm)		
Weight(kg)	29		30
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, 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)		