

Three

20KW
to 30KW

Reliable Safety Efficient

Solis Three PV Inverter

- ▶ Three phase output
- ▶ Over 99% Max. efficiency
- ▶ 200V-850V input voltage range
- ▶ 7.0" LCD color screen display (optional)
- ▶ Four MPPT design with precise MPPT algorithm
- ▶ Compact and light design, easy installation
- ▶ IP65, visually pleasing for domestic environment
- ▶ RS 485, WiFi/GPRS (optional) interface
- ▶ Numerous protection functions
- ▶ WiFi and monitoring app available
- ▶ 5 years standard warranty, 10 years optional upgrade



Model:

Solis-20K

Solis-25K

Solis-30K

Leading Features:

Fanless

Cooling
Concept

Four

MPPT

7"

LCD

WiFi/GPRS

Real time
monitoring

Available on the iPhone
App Store

Available on the Android
App Store

Model	Solis-20K	Solis-25K	Solis-30K
Energy Source	PV		
Input Side(DC)			
Max.DC input power(kW)	25	30	34
Max.DC input voltage(V)	1000		
Start-up voltage(V)	350		
MPPT voltage range(V)	200-800		
Max.input current(A)	18A+18A+18A+18A		
MPPT number/Max input strings number	4/8		
Output Side (AC)			
Rated output power(kW)	20	25	30
Max. apparent output power(kVA)	22	27.5	33
Max. output power(kW)	22	27.5	33
Rated grid voltage(V)	400		
Grid voltage range(V)	304-460		
Rated grid frequency(Hz)	50/60		
Operation phase	Three		
Max. output current(A)	33.3	41.7	47.8
Power Factor (at rated output power)	0.8...1...0.8		
THDi (at rated output power)	<3%		
DC injection current(mA)	<50		
Grid frequency range(Hz)	47-52 or 57-62		
Efficiency			
Max. efficiency	98.6%	98.6%	98.6%
EU efficiency	98.3%/98.3%	98.3%/98.3%	98.3%/98.3%
MPPTefficiency	>99.9%		
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)	530W*700H*356.5D (mm)		
Weight (kg)	57.2	58.2	
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(CQC)		
Relative humidity	0~100%		
Safty/EMC standard	IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-3,		
Features			
DC connection	MC-4 Mateable		
AC connection	Ip67 Rated Plug		
Display	LCD,2×20 Z.		
Interface	RS485,WIFI/GPRS(Optional)		
Warranty	5-10years		