

Three

25kW

–
30kW

Solis Three PV Inverter

- ▶ Three phase output
- ▶ Max. efficiency 97%, EU efficiency 96.5%
- ▶ 200V-850V input voltage range
- ▶ Compact and light design for two-person easy installation
- ▶ IP65, visually pleasing for domestic environment
- ▶ THDi < 3%, low harmonic distortion against grid
- ▶ Anti-resonance, single transformer can connect 6M+ in parallel
- ▶ Perfect commercial site monitoring solution
- ▶ Intelligent redundant fan-cooling



Model:

Solis-25K-LV

Solis-30K-LV

Features:

220V

Rated grid
output voltage

Smart

Redundant
fan-cooling

WiFi/GPRS

Real time
monitoring

THDi

<3%

Available on the iPhone
App Store

Available on the iPhone
App Store

IP65

Datasheet

Model	Solis-25K-LV		Solis-30K-LV	
Energy Source	PV			
Input Side(DC)				
Recommend DC input power(kW)	25-30		30-36	
Max. DC input voltage(V)	1100			
Start-up voltage(V)	200			
MPPT voltage range(V)	200-850			
Max. input current(A)	28.5+28.5			
MPPT number/Max input strings number	2/6			
Output Side (AC)				
Rated output power(kW)	25		30	
Max. apparent output power(kVA)	27.5		30	
Max. output power(kW)	27.5		30	
Rated grid voltage(V)	208/220/240			
Grid voltage range(V)	180-270			
Rated grid frequency(Hz)	50/60			
Operation phase	Three			
Rated grid output current(A)	65.6		78.8	
Max. output current(A)	72.2		78.8	
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	97.0%		97.0%	
EU efficiency	96.5%		96.5%	
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			
Islanding protection	Yes			
Temperature protection	Yes			
Integrated DC switch	Optional			
General Data				
Dimensions(mm)	630W*700H*357D (mm)			
Weight(kg)	63			
Topology	Transformerless			
Self consumption (night)	<1W(Night)			
Operating ambient temperature range	-25~60℃			
Ingress protection	IP65			
Noise emission{typical}	<60 dBA			
Cooling concept	Force cooling			
Max.operation altitude	4000m			
Designed lifetime	>20years			
Grid connection standard	EN50438, G59/3, AS4777, VDE0126-1-1, IEC61727			
Relative humidity	0~100%			
Safety/EMC standard	IEC62109-1/-2, AS3100, EN61000-6-1, EN61000-6-3			
Features				
DC connection	MC-4mateable			
AC connection	Terminal connectors			
Display	LCD,2×20 Z.			
Communication connections	4 pins RS485 connector , 2 RJ45 connector			
Warranty	5 years standard (extend to 20 years)			