

Solis Three Phase Inverter



Leading Features

- ▶ Three phase output
- ▶ Over 98.4% Max. efficiency
- ▶ 200V-800V input voltage range
- ▶ Four MPPT design with precise MPPT algorithm
- ▶ 7.0" LCD color screen display(optional)
- ▶ 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
- ▶ 10 years standard warranty

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Datasheet

Model	Solis-20K	Solis-25K	Solis-30K	Solis-36K-HV
Energy source	PV			
Input Side				
Max. input power(kW)	24	30	36	43.2
Max. input voltage(V)	1000			
Start-up input voltage(V)	350			
MPPT voltage range(V)	200-800			
Max. input current(A)	18+18+18+18			
MPPT number/Max. input strings number	4/8			
Output Side				
Rated output power(kW)	20	25	30	36
Max. transient power(kW)	22	27.5	33	36
Rated AC grid voltage(V)	380/400			480
AC grid voltage range(V)	304-460(adjustable)			384-576(adjustable)
Operating phase	three			
Max. AC output current(A)	30.4	40	45.6	45.6
Output power factor	>0.99			
Grid current THD	Total THD<4%			
DC injection current(mA)	<20			<50
Rated grid frequency(Hz)	50/60			
Efficiency				
Max. efficiency	>98.4%			
Euro efficiency	>97.6%			
MPPT efficiency	>99.9%			
Protection				
Temperature protection	Yes			
DC reverse-polarity protection	Yes			
AC short circuit protection	Yes			
AC output overcurrent protection	Yes			
Output overvoltage protection-Varistor	Yes			
Ground fault monitoring	Yes			
Grid monitoring	Yes			
Islanding protection	Yes			
Integrated DC switch	Optional			
General data				
Size(mm)	530W*688H*356.5D			
Weight(kG)	47.0	53.0		
Topology	Transformerless			
Internal consumption	<1W (Night)			
Running temperature	-25°C~60°C			
Ingress protection	IP65			
Operating range utility frequency (Hz)	47-52 or 57-62(adjustable)			
Noise emission(typical)	<50dBA			
Cooling concept	Natural convection			
Max.operating altitude without derating	2000m			
Designed lifetime	>20 years			
Utility monitoring	Islanding protection V_{AC} , F_{AC} in accordance with UL 1741, G59/3, AS4777, VDE 0126-1-1			
Operating surroundings humidity	0~95%			
EMC	EN61000-6-1:2007		EN61000-6-3:2007	
Features				
DC Connection	MC-4 mateable			
AC Connection	Terminal connectors			
Display	LCD, 2 x 20 Z.			
Interface	RS 485, WiFi/GPRS (optional)			
Warranty	10 Years			