

Solis-1P3.6K-4G

Solis 4G Single Phase Inverters



Features:

- ▶ Solis 1P 4G Single Phase Range
- ▶ High frequency switching technology - Smaller, smarter
- ▶ Dual MPPT design with precise MPPT algorithm
- ▶ Intergrated Export Power Manager(EPM)
- ▶ Over 98.1% Max. efficiency
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ WiFi monitoring available-Android and Apple App store available
- ▶ 5 years standard warranty, 20 years optional upgrade



Model:

Solis-1P3.6K-4G

Datasheet

Model Name			Solis-1P3.6K-4G				
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Input DC

Max. DC input power(kW)			4.2				
Max. DC input voltage(V)					600		
Start-up voltage(V)					120		
MPPT voltage range(V)					90-520		
Max. input current(A/B)				11A+11A			
MPPT number/Max input strings number				2/A:1; B:1			

Output AC

Rated output power(kW)			3.6				
Max. apparent output power(kVA)			4				
Max. output power(kW)			4				
Rated grid voltage(V)				220/230			
Rated grid frequency(Hz)				50/60			
Grid frequency range(Hz)				47-52 or 57-62			
Operation phase				Single Phase			
Rated grid output current(A)			16/15.7				
Max. output current(A)			16				
Power Factor (at rated output power)				0.8leading ... 0.8lagging			
THDi (at rated output power)				<3%			
DC injection current				<0.5%In			

Efficiency

Max. efficiency		97.8%					
EU efficiency		97.1%					
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			
Grid monitoring				Yes			
Islanding protection				Yes			
Temperature protection				Yes			
Integrated DC switch				Optional			

General Data

Dimensins(mm)				310W*543H*160D			
Weight (kg)				11.5			
Topology				Transformerless			
Self consumption (night)				<1W (Night)			
Operating ambient temperature range				-25~60°C			
Relative humidity				0~100%			
Ingress protection				IP65			
Noise emission(typical)				<20dBA			
Cooling concept				Natural convection			
Max. operation altitude				4000m			
Designed lifetime				>20 years			
Grid connection standard			EN50438, G83/2, G59/3, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105, G98, G99				
Safty/EMC standard			IEC62109-1/-2, NB/T 32004, EN61000-6-1, EN61000-6-3				

Features

DC connection				MC4			
AC connection				IP67 rated plug			
Display				LCD, 2×20 Z.			
Communication connections				4 pins RS485 connector			
Monitoring				WiFi or GPRS			
Warranty				5 years (extend to 20 years)			